

27364	92836	89428	81268	74982	46498	42784	31277
40932	70987	32123	49817	26346	81287	65491	87364
75654	55656	12737	72727	72727	91918	63473	67867
87629	37677	32612	53498	71296	28756	18276	98716
76329	74698	76857	98670	27601	56701	57601	73648
87364	87265	96710	27630	12673	84769	28743	98127
63298	75698	27465	87326	49876	28376	81273	98615
87432	74328	78674	29867	32867	67867	86786	43286
68768	68763	34234	34238	68768	62342	48273	48768
98432	32432	86743	43286	43286	43286	43286	43286
86743	86743	39867	32867	86743	43286	43286	43243
86743	86743	86743	86743	86743	86743	86743	86743
98798	98754	98754	98754	98754	29867	67543	67986
87698	69876	87698	69876	87612	12341	34867	86798
43298	65656	56756	56123	32143	14321	32143	14321
58765	58765	58765	58765	58765	58765	58765	58765

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #334, July 2025

Editor: Ary Boender email: udxf@udxf.nl

Numbers & Oddities <http://www.numbersoddities.nl>

"Numbers & Oddities" a.k.a. the "Spooks Newsletter" is a newsletter for the members of the Utility DXers Forum (UDXF), the Spooks mailing list, HF Underground and everyone else who is interested in Numbers Stations.

"Numbers & Oddities" covers the fascinating world of Numbers Stations and other odd radio signals on shortwave.

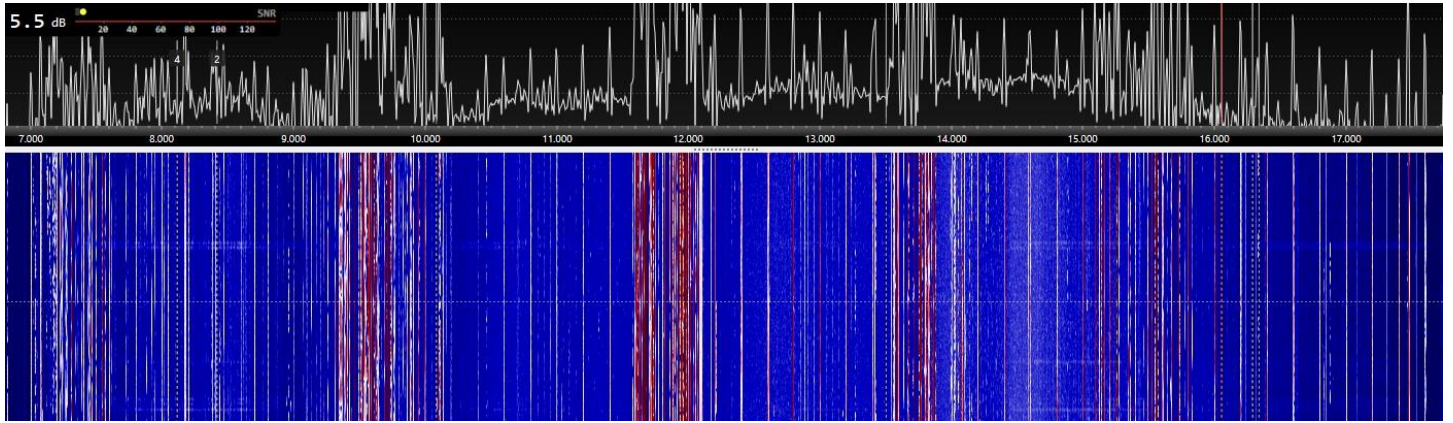


- . . . - - - - - . - . - . . . - - - - . . - -

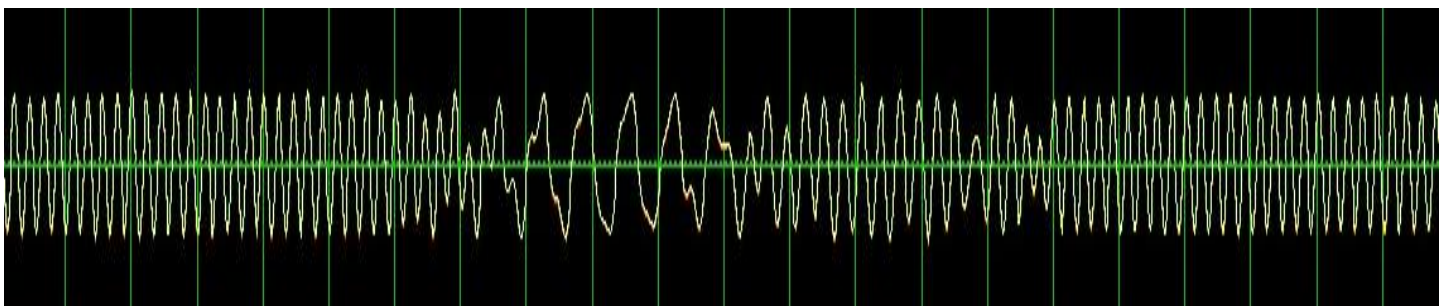


Numbers and Oddities

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FOREWORD

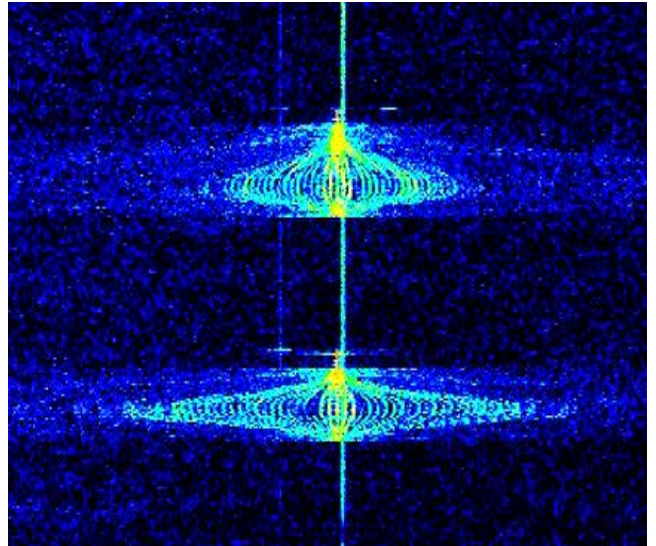
Compared to recent months, July was a relatively quiet month. We only noted Russian tests/exercises in the last few days of the month, and M23 was also quiet.

As an extra, we included quite a few EAM logss and there are several hundreds additional logs of Russian activities in late May and June. You can find them in the XPB1 section. We further observed the regular station activities.

Bytheway, do you experience this as well? That you fall asleep during E07? Before it reaches group 30, my eyes are already closed. It's better than any sleeping pill 😊

We thank all contributors for their 4000+ logs, transcripts, and recordings.

Weird interference on a Polish web SDR resulted in a nice picture.



VOICE STATIONS

E07

19235/18368/17421 kHz, 1000/1020/1040 UTC

19235/18368/17421 kHz, 01-07/05-07, 1000/1020/1040 UTC

234 234 234 1 516 108 516 108
22302 19111 17519 87852 52457 47617 41978 68255 11855 53876
67649 88055 76767 32619 08969 24315 71374 52188 61581 86836
86275 55733 80602 35876 24681 52783 34764 11164 98494 18538
73590 53039 82375 82953 09149 20296 24093 22081 89453 12778
73121 44536 66008 01350 34380 76092 97593 38394 75957 87780
64909 74460 70794 92077 01166 36855 70545 82082 18554 59497
96730 56890 01383 97593 14231 78159 67746 45170 36744 03000
94027 76742 11284 62098 86043 06272 11609 54531 47013 13739
14259 23742 24480 22951 55882 18412 65957 27466 69890 85986
59066 15908 03040 78591 37535 61783 76278 87471 16716 64077
86278 23587 48097 52395 84477 91698 48388 86797 000 000

19235/18368/17421 kHz, 17-07/19-07, 1000/1020/1040 UTC

234 234 234 1 9290 121 9290 121
97368 71391 81087 63146 37026 06488 81139 32625 80854 65455
84053 41207 28431 45771 96992 49916 98194 51017 56927 53605
70427 27449 50551 17754 04424 69047 19181 71850 52769 30652
38679 99863 90165 17588 99277 87552 53654 80992 72667 87006
22535 17522 27900 33157 97645 93593 12972 76781 18047 10601
74522 46060 57879 25041 75602 54867 75816 81872 52779 11751
63842 70887 94976 22208 09386 93500 64562 89901 75637 07507
28279 54579 45268 61445 69573 22990 93207 08245 34118 83101
78635 20450 22831 26101 57981 46895 34487 47845 10371 54228
20803 15146 19390 41612 58965 24419 68480 11136 92323 81339
33185 34679 99135 95509 41005 72262 05432 19994 14033 50468
51982 02083 00801 98573 36948 18480 50216 80640 26286 25331
63318 000 000

19235/18368/17421 kHz, 31-07, 1000/1020/1040 UTC

234 234 234 1 648 137 648 137

55651 58782 00998 20137 99972 49355 90334 90789 00526 36174
61316 21390 57108 67862 20954 49764 68344 17139 16675 72342
76934 49235 94547 14479 02318 03319 21420 03436 97432 82277
33355 01557 17548 23478 41357 98907 59737 88301 64691 29099
10285 05117 39452 02090 75907 38009 57904 01567 68106 80190
88868 43551 88013 72854 19178 16040 19651 66678 21708 09490
40105 18600 16433 54851 47918 95106 02422 70274 29462 96671
21762 38691 46553 98481 12676 56875 47208 40633 16273 15359
43692 26845 12434 86418 11548 89542 62590 95970 63442 49548
12366 79059 07902 92124 26229 87792 97939 64633 59661 65422
55314 21986 96936 31021 14520 84718 90860 87403 27044 82568
11524 77363 64393 90210 01297 14300 57946 59534 85060 48929
72967 07327 92967 75435 18570 06038 58083 36345 68263 66106
14920 64605 61063 04031 94554 86514 78035 000 000

16232/18332/19132 kHz, 1500/1520/1540 UTC**16232/18332/19132 kHz, 08-07/11-07, 1500/1520/1540 UTC**

231 231 231 1 777 190 777 190

06086 69594 02050 64501 38796 86240 56637 56937 77798 52132
48945 78739 39799 28060 99785 94861 62767 88961 17111 50985
61109 76513 43326 99222 96895 37318 26968 41345 67591 10882
55016 96692 26292 49306 85643 68351 14944 52703 18939 06372
64531 79149 45500 51095 86286 82235 81420 41090 08380 03039
86322 26995 08127 70829 95073 34078 22311 15410 53198 16221
35259 12741 71899 63937 98578 03281 59576 74179 99223 15740
12589 61578 24306 60744 95848 20868 99870 44126 80635 94106
61257 84045 83237 33151 67946 84223 53910 24301 88277 62213
99185 23457 36122 71903 72465 81458 08585 31998 06091 29084
39203 94735 42339 22958 65879 83529 59489 04583 15489 81836
68740 31124 85198 00190 43133 19810 46084 61478 85828 16061
80377 36476 12411 69925 76423 90435 64894 54584 88739 31524
43158 40176 71678 61849 75280 54099 36443 05431 03856 03589
44537 13453 96913 46333 93437 78180 72323 93934 38919 01466
06724 23318 42021 68541 14286 68264 70162 00113 84426 90038
26002 50248 41007 26882 34144 75542 92062 54817 35809 80917
21082 44125 08166 87940 87784 17774 32148 42579 58542 87051
29105 17108 25933 02729 16209 00637 61322 80370 53059 83879
000 000

16232/18332/19132 kHz, 22-07/25-07, 1500/1520/1540 UTC

231 231 231 1 264 156 26 156

04754 15525 53720 00665 46523 98151 05399 95856 64865 58039
75479 12950 65993 60672 30925 43186 48042 60266 22873 80918
08532 55649 77352 36396 59230 17444 05161 36707 89468 40563
95841 66171 29577 20680 86550 99158 30092 43036 52646 35143
95961 16003 57471 54273 35437 27935 60098 93426 05181 13480
24950 68645 31330 26651 05681 62382 49365 34299 18713 98405
35213 71216 01342 01770 23300 23007 51072 60147 49252 93437
36208 12963 96353 65639 30780 24905 49826 70322 73226 82811
59406 80769 53615 45745 96373 74372 91219 40956 87435 24208
84786 19566 90959 40951 77298 56356 83968 15096 64847 48865
62534 13918 16074 55765 83421 70936 84946 93937 26105 93339
91178 58170 02228 96451 34699 30788 59153 48260 98429 84848
81025 21863 83151 49546 75141 83216 49880 84004 31060 89202
42672 52889 37716 20107 62247 63553 08471 59219 78180 69811
83081 46148 19253 95754 23679 14445 97011 68645 18028 69718
77670 40703 94362 04491 40347 84244 000 000

12530 kHz, 01-07/04-07, 0715 UTC

635/32 Attention

90488 51496 72684 99294 82325 21455 10786 64047 10587 24302
45035 63376 02382 64622 69803 57751 23045 26652 55288 86255
06730 50605 64710 80573 57488 42736 27660 82570 52127 06461
36522 41003

Attention (message repeated) Out

12153 kHz, 01-07/04-07, 1000 UTC

300/35 Attention

31502 29605 31843 05866 55411 36231 70765 12942 26501 60324
73185 21781 28638 01980 80292 77143 16058 34668 37257 27608
89265 11453 31436 74172 71618 48772 51328 40693 43771 10937
83262 80443 81106 33182 07441

Attention (message repeated) Out

15720 kHz, 02-07/04-07, 0745 UTC

348/35 Attention

80298 92146 25271 87991 96987 12735 52583 72259 43996 45344
33890 28241 22526 97106 94222 59010 05329 56308 23679 39040
04845 63015 53547 52613 03859 32162 33937 76496 69106 11888
68609 26543 38064 62691 39245

Attention (message repeated) Out

7863 kHz, 02-07/04-07, 1715 UTC

978/40 Attention

51509 78171 02433 14333 63712 66163 22276 63143 15247 17513
76414 24209 98150 89665 60971 60215 81774 28577 74241 80763
45712 16730 73434 34027 16278 58788 66300 95292 06852 84601
87008 21282 03480 85583 55396 72245 61212 09136 55871 51920

Attention (message repeated) Out

12815 kHz, 07-07/09-07, 0845 UTC

719/32 Attention

05257 70464 98565 62068 67069 01687 39194 05904 33858 79528
29182 37987 56002 80868 75311 30447 76420 45099 10149 63084
86473 47960 52528 37725 09864 22861 44949 79296 11121 47579
59861 77411

Attention (message repeated) Out

11116 kHz, 07-07/09-07, 0900 UTC

538/33 Attention

05514 71372 48956 81148 76565 39918 53608 50588 05497 31718
49841 87703 49923 23860 34107 75761 01818 09091 78433 39044
32547 47746 02210 40276 14464 01353 75486 27463 40467 18233
57317 17109 53348

Attention (message repeated) Out

11092 kHz, 08-07/10-09, 0645 UTC

510/34 Attention

25805 99080 21261 03668 81883 26589 17863 52709 06552 71508
82510 97216 31718 48471 70049 02618 69729 45485 30272 18643
83710 38715 14173 43088 41647 36914 83326 59815 56600 89595
79025 58288 57216 84111

Attention (message repeated) Out

8680 kHz, 08-07/11-07, 0700 UTC

575/37 Attention

46715 57326 63653 56648 41997 73242 08317 45284 73153 43498
19168 62664 20649 28516 33814 07226 12890 54260 79355 06243
18354 69399 20969 96484 46280 77699 70875 07184 73044 99988
52605 28422 49797 79360 81865 15508 52748

Attention (message repeated) Out

20640 kHz, 08-07/10-07, 0745 UTC

225/37 Attention

77913 24955 06351 74804 44386 81157 02082 90869 61162 17064
32266 30029 98670 27448 27301 50501 94416 46386 15242 64952
16223 96666 18639 91118 16122 70983 57708 31665 79168 69012
49785 64813 91572 36253 32002 01185 77274

Attention (message repeated) Out

6923 kHz, 09-07/10-07, 0930 UTC

276/32 Attention

26289 68426 37651 37739 11561 64664 24050 15282 49049 28302
03005 79763 20026 91267 23107 17690 86517 53160 50761 28262
72488 42289 61397 68956 48637 76183 99820 01041 95320 23555
25740 78846

Attention (message repeated) Out

4783 kHz, 09-07/12-07, 1605 UTC

396/36 Attention

10275 89118 02901 56170 81645 81149 39437 77071 25227 98104
43768 81754 30806 81119 01728 90588 23235 76178 88362 74086
34937 41182 28867 84089 08619 75500 95157 09028 48113 88015
62366 83532 11080 95164 52699 76219

Attention (message repeated) Out

12229 kHz, 11-07/13-07, 1815 UTC

925/39 Attention

12063 95345 70454 31207 71444 86111 75985 09426 20156 14014
21095 33336 64227 44708 35558 12225 02930 37353 52732 51323
58907 02414 71962 38494 36103 87669 27360 61455 91856 13283
35371 72347 97443 30318 74442 44549 63986 31337 81826

Attention (message repeated) Out

9610 kHz, 11-07/13-07, 1910 UTC

618/31 Attention

62973 47139 28774 61429 90119 95387 60267 06193 65896 76805
58596 86488 37188 21524 70725 68217 52921 56678 21663 07107
91660 66767 87260 48614 09908 85834 95644 86003 51715 80524
41626

Attention (message repeated) Out

21906 kHz, 14-07/16-07, 0600 UTC

946/32 Attention

43949 71351 75716 97377 93411 21340 36018 91988 91089 64715
69689 96524 44845 37272 55114 58809 77151 04621 10828 04271
31364 63982 92208 54627 78462 35679 22517 45848 72747 37262
98597 21866

Attention (message repeated) Out

17378 kHz, 15-07/16-07, 0820 UTC

132/39 Attention

79789 05691 70753 99698 48986 78688 88474 38905 38727 11006
35718 11754 69902 74520 87961 90516 63240 83663 02053 26436
83316 27818 67149 62009 45167 40479 21699 59035 26667 10102
94237 09425 46896 38990 04029 09306 45919 28867 37478

Attention (message repeated) Out0680 0790 1210

19184 kHz, 15-07/17-07, 0845 UTC

156/36 Attention

70862 00025 09576 71789 07692 97494 81767 30499 42438 30324
31131 21857 10016 47558 14166 78595 50794 70968 84952 90918
35491 03752 96629 63162 47522 87783 94930 49512 60977 22435
57440 92676 69186 94954 71278 87093

Attention (message repeated) Out

8274 kHz, 15-07/16-07, 1205 UTC

461/39 Attention

68498 43924 05587 23727 62307 75075 06747 98462 75238 24388
87287 70397 85650 75066 42426 58726 78475 56097 82063 73764
94665 80340 78858 18450 96367 71629 62475 73631 77308 90787
92560 97165 99894 97652 75521 14921 09306 30023 10565

Attention (message repeated) Out

12984 kHz, 15-07/19-07, 1430 UTC

911/32 Attention

27931 03090 06233 79519 19964 17349 85712 45725 43610 10078
25544 01430 04538 82819 27309 65850 20680 88256 41178 00916
18435 38159 84071 29849 79028 82343 11073 65426 68731 55937
44610 21455

Attention (message repeated) Out

14575 kHz, 15-07/17-07, 1645 UTC

332/39 Attention

36620 24587 63391 02131 60953 05123 47858 22165 10852 15600
09164 30524 90856 86521 99181 70274 66215 39066 60914 14506
47596 81978 88170 20964 48175 53905 73401 39819 67472 15127
88599 63478 10856 43379 71053 89095 68379 50621 97916

Attention (message repeated) Out

9150 kHz, 18-07/20-05, 0600 UTC

352/35 Attention

26778 75141 15385 88999 98286 18868 96446 80489 69333 19355
17938 39675 55623 87131 51428 67033 47060 17967 14849 90555
19026 94751 91365 68417 94794 63104 58827 25028 65818 96811
04799 86073 16773 57575 15477

Attention (message repeated) Out

7377 kHz, 19-07/20-07, 0700 UTC

495/38 Attention

65913 95336 05892 13068 37223 69755 17794 86447 79494 55350
82898 93193 61493 46186 63110 06290 38319 87058 08835 27830
91113 15824 07011 72379 98223 30163 86542 58257 31304 33938
78827 13377 33670 97307 68129 63161 44560 30629

Attention (message repeated) Out

10508 kHz, 21-07/23-07, 0645 UTC

418/40 Attention

68733 14155 07889 84153 78542 83040 33982 75314 01610 88474
75364 79757 65789 61181 22276 34608 73168 60795 68331 23872
76856 03813 07037 39933 27602 32224 90708 41546 21352 63231
79087 40247 67408 14303 43682 99199 99495 29927 74768 14930

Attention (message repeated) Out

16335 kHz, 21-07/25-07, 0830 UTC

183/20 Attention

00899 57642 51585 02022 52048 23707 91974 96308 16677 61759
60872 13079 61566 55879 61256 14089 48583 79108 63733 90677

Attention (message repeated) Out

5737 kHz, 21-07/24-07, 1300 UTC

311/36 Attention

27797 98477 65619 03416 95727 22524 99066 78608 79619 66259
02852 72239 54030 95200 43621 53037 49291 51189 28631 57060
36637 86684 95329 11703 07489 49751 27365 76398 47108 26135
03149 28216 90513 65973 66565 76126

Attention (message repeated) Out

14410 kHz, 21-07/27-07, 1745 UTC

248/35 Attention

35581 61734 28389 99545 03415 55488 90407 90674 11793 80787
71646 55756 70172 45565 45732 05340 86023 41154 62861 67196
30351 99779 74771 55566 98300 52990 05956 33469 90059 58795
68453 35643 42128 44662 50720

Attention (message repeated) Out

7600 kHz, 21-07/24-07, 1900 UTC

647/30 Attention

87589 14298 94482 19903 56828 90042 14455 54936 70856 18481
60792 77148 72608 72086 90708 99690 63448 69726 28185 11832
68599 76760 92372 23463 42743 97627 17767 02744 65542 63609

Attention (message repeated) Out

5231 kHz, 22-07/27-07, 1605 UTC

232/37 Attention

16007 23907 04852 85472 50262 20319 62565 22483 49344 13667
62709 01044 91536 80664 32217 87760 56481 28127 51695 76999
99916 95772 01815 99936 06777 65425 63692 47546 30358 77776
08015 93999 56144 10254 68922 55536 55511

Attention (message repeated) Out

5409 kHz, 24-07/27-07, 2000 UTC

525/33 Attention

15037 42629 61501 43402 47160 41500 87337 09706 04066 13490
18211 19192 91411 30909 72949 08984 89988 84865 53518 01530
01944 03981 63912 44988 44066 43981 68635 87349 05220 86943
24476 93832 87624

Attention (message repeated) Out

5082 kHz, 26-07/27-07, 1645 UTC

365/38 Attention

76519 71469 12311 58157 11770 41548 13279 88147 12484 37247
58556 89342 10487 04696 94492 67843 12958 22971 05519 24539
43731 59391 10992 27760 57507 06329 69993 31543 44247 78965
32915 36428 07861 26448 59389 28259 56930 30445

Attention (message repeated) Out

15915 kHz, 28-07/30-07, 0715 UTC

755/38 Attention

30246 29723 45789 02286 22527 20083 84457 88090 23095 10223
09698 26069 80598 66520 37660 92025 28229 43711 43355 21367
84760 76064 30928 58492 94394 68710 51586 61247 29596 86974
11916 68669 99217 10696 93240 48438 41001 92756

Attention (message repeated) Out

9610 kHz, 28-07/31-07, 0745 UTC

261/33 Attention

24206 52822 22558 56106 09440 80690 27124 38133 90273 79094
93510 38247 65377 60795 59077 58753 35895 00953 04359 24951
72458 48263 48959 85574 91224 91709 31388 97463 66374 29930
48887 15716 12705

Attention (message repeated) Out

11616/9322 kHz, 30-06/01-07, 0400/0420 UTC

480 671 51 (0400z)
 480 671 52 (0420z)
 22723 15403 55473 31272 73081 49067 52968 63755 56196 45547
 31540 88148 89204 33498 19787 49088 78653 35649 60820 84465
 00632 41207 18041 73074 33066 34616 62656 90951 31124 41588
 47628 99852 63314 78373 97727 16282 50421 15174 70392 34538
 74456 89668 67076 02193 49826 31565 99769 71457 73876 84726
 42382 74852
 671 52 00000

11616/9322 kHz, 02-07/03-07, 0400/0420 UTC

480 932 40
 31473 66755 14039 77100 12073 42515 83882 17759 53716 48249
 28944 69066 60467 34138 24417 03447 51741 58753 45666 85210
 61467 28636 84830 47281 90476 03967 97976 20758 23047 25060
 56272 84497 43548 39327 99586 26877 14123 33428 15981 37019
 932 40
 480 716 20
 85217 21388 03176 34766 20961 92962 82264 20962 29020 35371
 88356 39156 46066 87995 73515 00427 56279 90659 06466 71420
 716 20 00000

11616/9322 kHz, 04-07, 0400/0420 UTC 480 480 480 00000**11616/9322 kHz, 07-07/08-07, 0400/0420 UTC**

480 952 60
 95192 34094 85293 10526 36679 61578 52563 44057 30010 55329
 50454 47447 57940 56439 96022 38955 51694 95622 90765 40699
 69969 81955 33071 84620 47555 39761 71378 22080 62032 35821
 09012 91746 91967 64114 96605 25471 65050 80260 73061 96842
 19616 02850 40985 42105 27970 23869 87527 08125 54986 95384
 86577 07096 50377 84694 43238 82670 98106 15108 66524 17207
 952 60 00000

11616/9322 kHz, 09-07/10-07, 0400/0420 UTC

480 376 24
 31568 11295 06786 64730 62997 52428 92045 87325 49152 07601
 82376 73726 66885 84974 13096 48048 49445 89155 74010 68190
 05641 35742 75892 26952
 376 24
 480 512 33
 93649 94726 53363 85505 11511 44334 28898 61285 32809 72079
 70267 63299 28380 25774 59626 23017 34061 02056 42442 54177
 25561 89506 86792 98020 88352 86858 18147 15958 74773 57235
 34330 83116 65517
 512 33 00000

11616/9322 kHz, 11-07, 0400/0420 UTC 480 480 480 00000**11616/9322 kHz, 14-07/15-07, 0400/0420 UTC**

480 937 51
 79761 66275 88448 65332 94784 67062 77665 22476 59150 98815
 69543 64914 73982 23182 27476 60367 06664 96001 00266 75869
 82482 69277 50731 14557 37311 98320 10196 81848 17258 83765
 07288 23205 36228 03126 44499 00666 27337 11598 20928 00332
 49102 16784 24664 88006 32362 57033 43222 55154 78853 38077
 65496
 937 51 00000

11616/9322 kHz, 16-07/17-07, 0400/0420 UTC

480 125 34
18215 03625 04260 57996 17710 87470 97439 04102 01511 34070
74572 41211 98101 41292 77227 13285 82828 38573 91135 16721
51426 48311 21911 22737 50676 32904 99005 40861 14631 69624
18811 78234 79842 20509
125 34
480 693 25
88180 05206 80703 31749 88288 70140 63183 12384 28642 37780
30644 95513 70976 70683 40291 64213 90903 23061 18907 06074
69801 93961 97555 30498 00080
693 25 00000

11616/9322 kHz, 18-07, 0400/0420 UTC 480 480 480 00000

11616/9322 kHz, 21-07/22-07, 0400/0420 UTC

480 751 60
43412 83475 97095 36313 36047 18318 99458 38005 39510 38667
56506 00434 41029 10226 19581 69445 90512 60936 95353 88239
28159 87756 23485 04397 13329 69795 86008 35594 46881 48722
53159 18450 04148 62401 95300 81935 20744 42696 15662 39792
98397 13357 83552 65386 22985 48951 72768 07449 11959 80765
34844 74125 33364 60624 61870 65782 63619 18541 18541 54004
751 60 00000

11616/9322 kHz, 23-07/24-07, 0400/0420 UTC

480 179 20
26218 59959 85652 04157 97368 44449 97772 43081 33507 82243
19828 56568 05985 14658 56127 29823 34053 79121 74756 82925
179 20
480 236 40
06856 34405 53999 25694 00177 14570 31125 35311 80615 40534
89841 23678 47814 60672 97880 33715 12736 86612 72436 21688
83156 64444 54971 24956 71135 55793 35324 76290 33380 83444
98584 31975 80477 21204 93152 05852 15899 32684 43423 26523
236 40 00000

11616/9322 kHz, 25-07, 0400/0420 UTC 480 480 480 00000

11616/9322 kHz, 28-07/29-07, 0400/0420 UTC

480 263 57
44300 87924 84463 74207 58000 74768 12074 60041 42796 62077
65742 43918 76840 90662 25789 56209 30913 85734 32783 89879
95396 02008 49334 78163 12440 04886 51269 19220 42869 24267
90398 58694 22950 53099 96044 66125 89988 10128 07535 66145
82153 27271 54828 10394 41797 15067 29490 01095 77093 74613
13170 02237 61665 17466 55795 99280 76892
263 57 00000

11616 kHz, 30-07, 0400 UTC

No transmission

9322 kHz, 30-07, 0420 UTC

623 19 00000 (this is the end of the second message). Nothing else.

11616/9322 kHz, 31-07, 0400/0420 UTC

480 197 36
71551 65328 29280 47517 71964 89713 27158 38445 43177 73087
02731 20677 30361 60122 48480 77193 26324 79397 04911 73691
50342 56263 18733 18195 89976 40706 75731 94203 10557 73514
25548 53318 62041 39319 40533 78262
197 36
480 623 19
08067 88297 60736 86237 89267 06857 29040 06352 88496 20142
22944 84647 80782 70271 40417 22854 09515 19929 06093
623 19 00000

9968 kHz, 01-07/03-07, 0445 UTC

798/40 Vnimanije

72215 24884 46195 66248 09654 04950 77610 58545 31682 89968
16817 78042 13879 58629 87079 13724 16868 21897 24078 11465
02077 79648 58377 90175 15098 16973 98772 48865 00984 60965
19142 20804 25013 80987 96129 33064 71860 80915 56732 02752

Vnimanije (message repeated) Konets

18773 kHz, 02-07/04-07, 0725 UTC

383/33 Vnimanije

84524 19474 22109 42394 79934 35072 80185 65176 39426 12972
72289 40976 57572 04351 21210 91114 20135 03376 36154 65795
18120 50508 20367 56315 68090 17479 16366 97533 12278 26419
87332 67244 50761

Vnimanije (message repeated) Konets

12457 kHz, 02-07/05-07, 1950 UTC

284/40 Vnimanije

94298 30277 92596 37839 36469 57390 98889 39656 65518 51168
32404 98061 12412 34814 09129 40531 84293 02572 06682 22766
92458 45009 92194 82541 17397 78481 87753 67433 86949 81169
27338 44100 89979 51021 50462 91032 61609 19237 67888 29236

Vnimanije (message repeated) Konets

16357 kHz, 07-07/09-07, 0510 UTC

657/38 Vnimanije

53453 83200 00184 83943 65336 03698 61877 39168 76624 63403
47917 80400 52472 29018 96037 56678 27452 31721 41764 99401
31819 48570 00358 15941 07875 32548 73609 37624 12249 03439
00383 75166 51301 13350 42197 50845 84174 38544

Vnimanije (message repeated) Konets

6814 kHz, 07-07/11-07, 0915 UTC

486/34 Vnimanije

42493 45795 37533 47103 33425 45180 03067 89037 21203 14187
23375 46485 93520 92944 23019 59579 66099 48127 16769 64033
88159 25038 43103 04852 54847 03270 54575 36624 58822 30930
23435 93116 74619 81428

Vnimanije (message repeated) Konets

5149 kHz, 19-07/20-07, 0830 UTC

378/36 Vnimanije

64802 02645 08297 60816 11650 50948 43792 30758 59217 16024
69389 64798 52575 21887 09467 52613 92586 05496 62504 32081
51458 21580 86030 01262 11823 45787 46271 62410 89824 05407
99861 56855 89288 77752 50640 74794

Vnimanije (message repeated) Konets

9448 kHz, 22-07/25-07, 1400 UTC

420/37 Vnimanije

76713 37126 97107 93593 34161 97526 15909 87897 71743 49708
47753 72620 00675 84274 95108 39635 65077 28663 08067 35526
21304 23265 59627 56928 38087 40416 82336 36987 35238 26446
46656 60587 78009 45025 10068 55927 59646

Vnimanije (message repeated) Konets

9339 kHz, 28-07/31-07, 0700 UTC

479/36 Vnmaniye

10284 79466 80994 72224 77498 76026 68323 29160 18746 67088
59049 78672 95554 53414 26422 92579 38576 90228 13782 96140
28944 59667 02182 28692 71876 64571 39709 86952 03921 26880
65326 59046 16384 19148 74756 96634

Vnmaniye (message repeated) Konets

V07

13978 kHz, 06-07, 0700 UTC, Cut out middle of group 10

13378 kHz, 06-07, 0720UTC. Last zero cut out

12178 kHz, 06-07, 0740 UTC

931 931 931 1 4310 103 4310 103
16103 61050 36949 29763 97691 49434 00300 91318 59507 29617
88776 42717 91625 00312 74395 27032 00986 37596 82067 09716
20790 16412 14162 61601 79268 82444 68863 36495 08429 77731
84719 95050 74316 72167 75375 81827 05945 06557 61737 15510
72072 07815 20870 94943 03923 49500 07299 90392 64483 30374
02527 38271 86631 88570 38944 62388 98216 13380 28778 05823
66799 04389 38537 43607 75827 66635 08514 67255 71980 21059
37228 18057 62527 20349 02341 81420 00818 73952 09317 35299
02628 70088 41176 54433 27371 90851 15912 54781 44465 81636
54746 16004 54535 75992 85826 51692 84087 67879 84677 71418
68663 14250 89009 000 000

13978/13378/12178 kHz, 13-07, 0700/0720/0740 UTC

931 931 931 1 8777 110 8777 110
98351 29198 01434 43528 14135 05096 24028 27038 47781 17348
39973 83096 28495 38882 84106 20931 79407 52190 94236 55066
16424 16273 53206 70637 79043 21529 94107 33886 29252 34808
69471 90199 19827 56293 99898 83636 21207 62032 70687 05106
36316 97035 07037 52855 34479 99964 24604 49180 22766 76784
58469 48785 87800 61533 53191 73822 52116 48022 14418 31873
99259 97476 72137 82805 15351 21057 09054 23083 54779 61859
10819 53808 26987 98032 61656 15019 29572 01715 57298 56308
82188 58114 78245 73157 99508 44315 42147 77576 66626 48464
53542 89323 60931 65146 17582 30413 88643 48736 09047 04852
50204 00380 52360 54167 89818 41772 72671 77867 70200 25294
000 000

13978/13378/12178 kHz, 20-07, 0700/0720/0740 UTC

931 931 931 1 3589 125 3589 125
69856 62589 64993 82059 85363 21435 94247 74648 66760 19336
25607 80838 51001 48775 65617 36484 53829 72100 65514 73695
06793 93498 50836 75080 95166 31520 51220 68473 17844 70094
97714 34713 99330 72855 19410 79280 31527 26464 69995 89613
97961 37553 51413 01915 48824 40332 27766 78186 20498 14168
27692 18672 24078 52840 60230 18412 37166 51144 07891 42412
10958 02995 44734 48652 41632 74775 78919 33707 67486 28108
56027 69487 24767 99567 39980 93996 56626 65764 17648 90849
31860 45846 06185 70658 77963 96452 97485 84449 70982 74967
41610 76772 40452 75138 99624 08846 25045 99330 83284 95761
13451 03116 97428 52129 80111 46298 67533 18837 84350 08364
63799 77001 18926 07483 88456 01774 31720 47179 97680 62852
27593 84200 14942 65583 06264 000 000

13978/13378/12178 kHz, 27-07, 0700/0720/0740 UTC

0700 UTC: restart after callup

931 931 931 1 3242 104 3242 104

79392 63873 10119 99302 27261 84618 64584 40645 51253 12996
22517 23492 14315 59406 94651 98553 03238 68228 33094 16786
97661 46989 02913 84854 66779 55826 91197 44156 04039 00845
67452 48754 57231 30995 64777 62297 72070 85411 96203 03318
82045 89668 53536 42961 64342 49047 99095 28584 45620 93064
27156 34087 51655 93212 78523 97403 80747 75287 00688 78914
87746 63269 67261 47805 68615 78535 27369 44037 23463 70915
66013 77978 93842 87617 08161 02668 93931 91281 04244 64094
79541 49649 88277 76217 10393 87924 77027 55192 72409 10404
88783 80018 79861 56743 64882 13863 41732 89410 60153 68421
97781 73468 47389 38971 000 000

V13 - New Star Broadcasting Station (星廣播電台 Xīngxīng guǎngbò diàntái)

V13 designators

- V13 (regular classification) : Standard format. AM/USB hybrid, introductory phrase spoken twice, three messages addressed to three different units, group counts between 30 and 35.
- V13a: Old format. AM mode, introductory phrase spoken only once, analog voice synthesizer, 5-7 messages addressed to 5, 6, or 7 units with group counts between 20 and 39.
- V13b: AM/USB hybrid, introductory phrase spoken twice, 4 messages to 4 units, longer group counts between 50 and 69 in each message.

All logs and comments were submitted by FSpY and AVX. Thanks for your input !

Station 1 has stopped sending two batches of different messages and now only sends one batch across the time slots. There have also been a few technical difficulties during transmissions including forgetting to rekey, the intro starting partway through, and the pause between the intro and preamble being oddly long. However, the transmissions now start right on the hour and are no longer several minutes late. (FSpY)

8169 kHz, 02-07, 0200 UTC. New Star Broadcasting. Station 1b

Unit IDs: 2073, 5127, 6220

Group Counts: 33, 34, 33

9984 8339 6201 2145 9616 2809 1882 6585 1645 5197
9716 3783 7605 4130 0070 6044 9405 4602 6202 9510
0845 0428 7716 5958 0442 8217 5633 7041 9629 8331
6235 1646 1728

2733 4226 2763 2798 1423 0356 8480 4229 1318 9763
0955 6432 9756 1087 2438 1124 5433 7161 8431 6430
8478 1856 3932 6904 6486 9337 8402 0395 5822 9910
9783 0393 9785 8453

6452 5226 2659 6560 2521 3521 0365 4886 8141 7616
9294 4527 9980 1115 2958 4874 8997 3898 4123 5620
1185 7482 3444 0606 8438 4235 0955 5380 1143 0621
8058 9180 6572

19052 kHz, 03-07, 0000 UTC. New Star Broadcasting. Station 1c

Unit IDs: 6139, 7800, 9454

Group Counts: 31, 31, 31

3345 7174 6649 7558 7724 3916 4847 2381 8696 6252 9563
4784 4612 5760 2618 8743 8358 7611 3154 2866 4017 8704
0692 4011 2996 8620 7887 9629 0058 9612 3233

9856 4572 8406 9088 6910 0820 5588 7549 0832 1434 2704
5382 3021 9426 2555 2285 4772 1493 0536 9013 8265 5402
7394 3778 5072 4787 7349 9380 9336 5621 4121

2633 9248 1294 2537 6286 2692 4104 9530 2045 8703 5358
9629 1962 0148 4273 6822 6283 3883 7646 4651 9201 0920
4922 7181 6978 2277 1460 6436 1279 0142 4193

Notes:
Oddly long pause between the introductory phrase and preamble. V13a is gone now, station 1 now sends two different sets of standard messages: one at 0000 UTC and 0100 UTC, one at 0200 and 0300 UTC. The 0100 UTC slot is transmitted on a completely new frequency, 21000 kHz.

3 July:
No station 1b or 2 during the 0200 and 0230 slots. Carriers briefly appeared on 13974 and 14944 kHz. I assume they're preparing to change these frequencies for the season too? They later appeared as scheduled on the 0300 and 0330 slots, with station 2 being loudest in Mainland China.

18040 kHz, 06-07, 0000 UTC. New Star Broadcasting. Station 4

Unit IDs: 0304, 4192, 6492

Group Counts: 33, 33, 32

0312 4638 1599 3834 0771 6838 9839 4410 9787 8460 7293
1443 1712 9710 6925 1353 5007 7626 5654 0053 2898 0958
3428 4295 7126 5023 1020 5351 0536 7111 9995 7471 6200

7708 1524 9408 6146 0908 9374 3611 3678 8005 2743 9924
7747 0957 6971 9981 6480 7610 1354 8797 7763 5989 4715
8060 2505 9455 5081 3937 1744 1530 0781 0533 8822 0364

4551 7296 4531 9688 1660 2159 5676 7561 5524 6547 6304
3701 4883 4555 0743 8724 2788 6854 7702 6591 9892 3830
9076 4422 8813 8155 0715 1032 7536 5351 9271 7303

Note: another unusually long pause between the intro and preamble.

21000 kHz, 06-07, 0100 UTC. New Star Broadcasting. Station 1c

Unit IDs: 0448, 5230, 6533

Group Counts: 34, 30, 33

0517 8687 6768 1032 5090 6549 1878 2554 5673 0540 3004
6225 7867 5597 4410 0617 0266 6059 4986 3961 2159 7381
8205 8422 9351 3933 7905 6467 6405 6903 4719 5229 0029
8205

5205 2933 2921 5782 4671 2784 8024 0575 0325 8002 9049
3635 4895 4563 1169 6610 1390 3164 8691 9956 6754 0784
3946 9505 1168 3898 7367 5370 8084 4431

6846 2241 5266 3693 3528 3616 7408 9933 0846 3686 3208
5294 3717 2709 7502 8063 4556 0788 8533 9099 5897 1638
5844 9122 2895 6102 1505 0091 9688 2721 8660 5541 7235

18040 kHz, 06-07-2025 0130 UTC. New Star Broadcasting. Station 3

Unit IDs: 2319, 5666, 5807

Group Counts: 32, 32, 34

6244 8472 7287 9297 2982 8916 2168 1184 2258 1705 4561
0718 9352 9634 4851 2170 7317 5010 6260 3019 6322 8805
4801 8266 6450 2643 6794 6225 8551 2834 8841 8005

9667 4033 9355 9090 2672 8804 3319 9797 2064 4644 2953
0920 1238 4627 3936 3907 8661 8857 8822 9906 3842 5286
4312 5622 9901 1607 8447 5909 6843 1546 2228 4308

8726 9139 4848 2683 4991 2828 4540 6539 5289 1866 0806

0172 9708 4456 8532 7785 7369 6059 0855 9177 9531 6373
1423 5097 7394 9659 0136 0562 5795 5149 4735 6769 5109
9909

Note: musical intro started partway through instead of from the beginning.

9276 kHz, 06-07, 0300 UTC. New Star Broadcasting. Station 2

Unit IDs: 3863, 8435, 9762

Group Counts: 31, 33, 35

3798 9258 2971 0776 2770 9781 0249 5203 1597 3035 4729
3197 5305 5951 1607 4352 6728 7929 7121 1654 5819 1373
4783 1909 6748 9952 4108 9468 8781 8748 6038

4799 2788 3914 0130 4292 2779 8629 5167 0324 3637 1682
5334 6182 5268 6430 9773 7691 9481 8527 4519 1227 3784
2409 0289 3321 7054 7205 6174 7832 5304 9182 1591 0318

1870 5412 7547 1323 9102 7133 0090 0370 7509 2192 9124
7759 3331 8446 0592 3228 9627 0167 5907 9122 2687 6680
1146 5978 1278 3442 9697 4248 4503 1627 2824 3236 5388
9960 7582

12 July

- AVX reported that on Sat 12-07, 1200z Station 1c suddenly appended a 4th message to its normal 3 message pack. The original station 1c set was: 0448 34 5230 30 6533 33. They added **id 6581 21 groups**. New messages arrived on Sun 13-07 but the new 4th group was still there: 1109 30 4440 35 6179 33 **6581 21**
- Station 1b also carried the same 4 messages!
- After the clock correction, the transmissions start exactly at xx:00 and xx:30 but station 4 since Sat 12-07 30 seconds late.

14 July

- 14-07, 1000z-1530z slots all normal and the freqs/messages as scheduled.
- 0000z-0330z: Stations 1b/c, 3, 4 played a loop 4-5 times of MEI YOU DIAN BAO GEI NI and musical intro with station nr. announcement as usual.
- Station 2: carrier only!
- 0100z used 0000z frequencies, 0200z was 19052 instead of 8169, 8300 was correctly set.

15890 kHz, 14-07, 0100 UTC. New Star Broadcasting. Station 3

Unit IDs: 4344, 4820, 6491

Group Counts: 30, 34, 32

1629 7321 1041 8572 7710 7958 1236 9406 1774 2498 4211
7581 4104 8957 2786 3435 5343 9726 1932 0929 1966 5179
8266 0509 4154 2601 6916 7582 5669 5327

5760 5622 6096 1065 3573 0441 7232 6661 1084 7875 4023
4828 7095 3550 9411 8816 7953 2045 6163 5526 5884 8222
1872 9857 3068 6192 8502 1727 7083 2179 2016 5191 9942
9549

2464 5875 0415

Note: they must have fixed their timer because transmissions are now on the dot accurate and on time! However, they forgot to rekey station 3 from 15890 to 18040. The transmission QRMed with the scheduled Sound of Hope broadcast and then abruptly cut off and disappeared three groups into the third message. It didn't rekey to 18040 kHz even after that.

15 July

After the "mei you dian bao gei ni" show last night, station 2 at 0330z 9276 kHz also had it as a loop 5 times then saying "zai hui". Slots before had a carrier only.

At 1000z ALL messages and skeds were 100% ok!

Station 1c (actually 1b) is again interesting. Look back at the history:

0448 34 5230 30 6533 33 msgs as of 06 July

0448 34 5230 30 6533 33 6581 21 4th msg added on 12 July 1200z
1109 30 4440 35 6179 33 6581 21 msgs as of 13 July
1109 30 4440 35 6179 33 6581 17 4th msg added on 15 July, 1200z

I never saw 2 different messages for the same Unit on this station so far. Also in the announcement the phrase "di er hao" is inserted which means "part number two". Do we see a multipart message here? 21 groups, then 17 groups ?
Note that the Unit IDs of the other messages are now in ascending order.

Here are the transcripts:

6581 21
2123 6985 0121 3288 8556 0761 5971 0797 9054 8337
9492 4214 5372 1852 5321 3113 2015 8935 0144 1754
7969

581 17
3891 5479 0417 5794 2362 9732 8869 3788 2985 2827
9249 1558 2519 2376 4088 2498 2954

16-18 July

The 6581 17 message was gone on 16-07 0000z.

V13 exchanged all messages twice this week, now also on WED 1000z 16-07.

Sun 13-07

#1b: 1109 30 4440 35 6179 33 6581 21 //4th msg added SAT 12-07 1200z
#1c: 1109 30 4440 35 6179 33 6581 21 //4th msg added SAT 12-07 1200z
#1c: 1109 30 4440 35 6179 33 6581 17 //4th msg added TUE 15-07 1200z //dropped WED 16-07 0000z
#2: 0830 31 1912 33 6140 32
#3: 4344 30 4820 34 6491 32
#4: 0880 31 9486 30 9630 35
#5: 1084 33 4184 32 9398 31

Wed 16-07:

#1b: 7773 32 7791 32 9925 33
#1c: 7773 32 7791 32 9925 33
#2: 3315 32 3462 34 7978 34
#3: 1739 32 3348 33 4706 31
#4: 0081 31 2308 30 9031 30
#5: 3094 32 3342 31 8119 34

Note the strange Units 7773 7791 9925. Also many 33XX: 2215 3342 3348

18040 kHz, 18-07-2025 0000 UTC. New Star Broadcasting. Station 4

Unit IDs: 0081, 2308, 9031

Group Counts: 31, 30, 30

5823 1960 4809 2180 7898 8381 4807 6667 9955 1991
3182 3577 3283 9169 3778 7488 9444 3628 3738 4909
2760 4546 3936 8120 7825 6294 2783 2979 5699 9924
9104

9937 3443 4796 1394 5815 1529 4092 9235 9391 5738
5632 8054 7148 0314 9359 4855 6584 9585 8384 9175
8727 8541 1738 2992 5200 4213 5871 0909 7073 5772

6128 5875 1241 3905 4493 2905 7572 8585 4891 6158
6630 1558 4621 0857 0770 7399 3975 9881 5086 8298
8982 7204 0874 6742 1134 2072 3905 8708 8005 5728

Note: Musical intro played and then there was quite a long period of silence. The introductory statement eventually did play, but was then followed by another unusually long silence before the preamble.

19-21 July

Station 1-4 were carrier only starting from SAT 19-0, 0100z.

Station 5 was updated SUN 1000z, 20-07

V13 updated stations 1-4 on MON 21-07, 1000z.

15890 kHz, 22-07, 0030 UTC. New Star Broadcasting. Station 3

Unit IDs: 0623, 3060, 8731

Group Counts: 32, 33, 31

6500 0240 3675 6010 1261 4745 5903 3475 0286 3228
3522 6557 9618 8396 1182 3935 3768 6216 7093 5264
0468 4219 1877 7883 4776 5324 7800 9990 1387 4273
4364 8987

1412 5358 6667 0218 2225 1189 0710 5846 4881 0301
7278 1985 3497 8878 8727 9332 8757 2083 3839 2937
1090 9953 0450 2391 0005 8981 1166 3986 6248 8681
8310 5974 6444

5172 7599 6471 7287 9032 6251 2153 3482 1995 1303
2852 6280 5039 0816 5232 4461 7705 2900 1663 6493
1768 4111 3598 1600 0473 4370 2159 5357 7912 1239
7325

Note: all stations except station 5 were absent for the past two days with carriers only. This is the first broadcast of this week.

20025 kHz, 22-07, 0100 UTC. New Star Broadcasting. Station 4

Unit IDs: 2672, 6163, 9739

Group Counts: 34, 31, 31

3529 3586 3194 4074 2629 6192 9740 1655 8124 2195
9230 7289 7418 3217 1680 0437 7471 7673 2198 8774
0928 9330 0616 5307 0763 0633 8199 6213 0021 6360
9407 0908 2294 7684

1409 3103 3652 3297 8937 6745 2341 2262 6253 5466
9055 8520 6382 5232 2087 6947 5052 4209 6934 5009
7136 7525 1904 8208 8388 1402 5469 1575 2807 1838
6215

6756 3266 0357 9083 7749 4542 3997 2894 5178 1793
3152 2449 8399 4649 9751 3211 6475 1564 5254 3432
3966 8444 4909 4386 3613 1913 0954 6810 1217 0275
4213

21000, then 8169 kHz, 22-07, 0200 UTC. New Star Broadcasting. Station 1

Unit IDs: 3387, 4451, 6448

Group Counts: 34, 35, 32

5582 3509 7640 9127 3808 0720 5717 9434 8284 6499
4135 3590 6454 3404 9187 8876 3691 1217 4601 8536
1196 8596 0576 0961 4240 7206 4876 5951 5316 3367
0503 0087 0387 3071

5225 3064 5152 8375 1330 5704 3607 9972 3345 8651
6549 4913 6283 5893 4908 5410 5469 7809 0827 2731
9514 1249 9862 4124 6318 1752 8738 9846 7372 6355
9118 1648 8604 3700 8097

9023 5365 6408 4250 4779 3990 5730 3699 4348 3788
0264 8649 6654 9720 8003 4725 3435 9449 7313 4584
7177 3348 7082 6740 4763 9083 5359 3170 2586 9133
5554 8858

Note: accidentally transmitted on 21000 kHz (wrong frequency for this time slot) during the musical introduction, then rekeyed to 8169 partway through the music and continued normally.

9276 kHz, 22-07, 0300 UTC. New Star Broadcasting. Station 2

Unit IDs: 2407, 3761, 8329

Group Counts: 30, 34, 32

8633 9203 1364 4676 9874 8439 6059 6179 3642 6890
2678 3867 5722 6087 6486 8167 1349 6612 1807 8534
1246 4618 5988 5388 4922 6939 4645 3068 0885 4032

8725 3000 9547 3428 0975 5397 5699 7717 1876 7963
8692 5303 5953 0155 5493 6408 5869 6089 0550 6019
8120 1361 1549 2502 3091 7707 7502 7204 8740 4583
6784 1114 6088 8706

5093 4770 8159 9221 9160 6457 7975 1490 2774 0253
1797 4019 0244 6572 2380 9596 7456 2560 9808 6521
1377 1949 5575 6964 2542 7271 6631 7480 2451 2303
9591 5550

15890 kHz, 27-07, 0000 UTC. New Star Broadcasting. Station 3

Unit IDs: 0360, 5074, 8455

Group Counts: 35, 31, 31

6612 3689 5951 0110 3432 7115 4595 1634 2379 9548
5771 6022 7462 1399 4079 1803 2400 3806 6669 7235
8135 2812 5399 2779 6754 9875 4233 6957 0300 8653
1113 8558 5668 0559 1540

7035 5504 6136 7192 1943 4531 0723 5376 5787 2071
7469 4337 5657 9785 1634 1700 4400 5305 1352 1612
2088 7490 3547 5443 0608 3951 3595 7187 5017 9969
7531

5720 7321 6583 3129 2549 8406 9265 4530 1634 4651
5783 4540 4089 2578 9210 1996 8995 6069 4723 9478
6848 3475 4520 6220 1831 4702 9322 5977 1155 6816
5950

Note: carrier kept flickering on and off at the beginning and made clicking noises because of it. The audio quality was fine though.

18040 kHz, 27-07, 0030 UTC. New Star Broadcasting. Station 4

Unit IDs: 0482, 1987, 8252

Group Counts: 32, 30, 34

5866 1263 1478 0617 6370 9374 5813 3431 7776 9318
0051 4611 5333 4592 7019 7429 0290 7051 7945 9918
9875 7318 0907 7289 7333 8196 3113 6621 1902 8122
4063 7102

6422 1282 6244 0127 3582 9149 5028 0767 7504 9395
0260 9261 7966 9975 9044 8186 1991 4886 4827 0791
2187 9247 2880 6294 8591 6582 7073 7558 1909 0118

5211 6404 7058 8860 8186 2805 5877 4597 6780 3394
8609 9783 3347 7836 6927 1303 4599 1511 5980 2106
7972 2306 4170 9435 6139 1019 3401 4495 0667 9391
9839 4950 3875 8233

21000 kHz, 29-07, 0130 UTC. New Star Broadcasting. Station 1

Unit IDs: 2291, 6582, 7111

Group Counts: 34, 33, 30

0356 8733 1009 7584 4511 5881 3482 3649 8452 4650
8434 6441 5668 2647 9038 0433 2408 3101 6094 6344
6088 9068 8885 6111 4838 6253 5297 4046 6635 2016
5048 1682 4276 3766

2477 4241 0872 4606 0678 5879 8845 8192 2018 9266
1505 8552 2738 3458 3467 8926 8284 0098 6749 5151
6649 1362 6175 3387 4557 3192 0501 8686 1158 6186
9326 1856 1334

9064 9897 5909 6834 6821 9440 5935 4528 7880 8343
0827 6798 1505 3248 5073 7132 5955 4405 8284 7668
7809 2962 1061 3372 8677 5192 6649 5851 4425 9647

MORSE STATIONS

M01

4903 kHz, 01-07, 2000 UTC

025 554 554 30 30 = =
64364 64736 64736 84756 54635 46574 64757 75847 64736 65474
85746 64532 25364 64756 25364 64756 65747 74837 74636 56353
53647 75847 98347 74387 74357 74857 75847
= = 554 554 30 30 000

4903 kHz, 08-07, 2000 UTC

025 915 915 30 30 = =
59316 89046 78364 09451 78364 17501 77471 65036 71972 74017
75931 74925 71062 84771 93027 55393 64017 65820 80701 74294
74921 84935 03728 05638 62189 93715 63321 84750 74926 75639
= = 915 915 30 30 000

6435 kHz, 12-07, 1500 UTC

025 697 697 30 30 = =
53789 32780 15637 48960 42789 36590 25478 32679 57904 36128
73829 57490 53490 36723 74830 13564 75349 74839 90685 35940
85940 36748 27499 74832 62891 94039 60926 74829 18903 18845
= = 679 679 30 30 000

5280 kHz, 17-07, 1800 UTC

025 215 215 30 30 = =
99876 35649 60989 14320 69078 14328 59866 36589 10927 47655
89065 37658 28276 46577 40989 15423 65465 38769 33987 47645
10989 47687 25433 _5436 09889 48769 37648 10968 77098 12044
= = 215 215 30 30 000

9736 kHz, 20-07, 0715 UTC. Different repeat in red.

475 = = 105 105 50 50 = =
57612 34576 45675 67472 51769 12345 78123 54014 07576 12376
81238 76145 67416 13217 86348 13765 36154 67814 76346 53757
34764 27823 47236 90190 12763 24029 89291 28736 74735 21287
18912 34983 98477 **89477** 63812 39123 19123 52767 58759 81298 18397
87486 59819 81981 78466 75783 11292 19283 71267 84984 39121
= 105 105 50 50 000

4903 kHz, 24-07, 2000 UTC

025 681 681 30 30 = =
31625 18726 16527 83627 90162 16271 20917 34271 11093 25176

54638 51432 17614 20918 54161 35629 98176 39016 20917 11872
43628 10981 40938 26173 55048 30927 99372 20937 46739 29718
= = 681 681 30 30 000

M12

11519/12194/13407 kHz, 1100/1120/1140 UTC

11519/12194/13407 kHz, 01-07, 1100/1120/1140 UTC

289 289 289 1 5082 59 5082 59
00310 14777 41763 46280 30397 44136 46345 37124 30957 20212
69521 94225 24324 79681 49496 72352 16035 71678 21847 13675
15660 56527 90276 34916 41125 39114 28030 07499 63455 90580
98954 42454 69644 84222 84854 32375 68325 06178 99785 18694
26760 04415 66455 30284 91419 91450 91148 17838 30018 61250
44752 17300 39583 40436 29679 43781 24499 06846 05154 000 000

11519/12194/13407 kHz, 08-07, 1100/1120/1140 UTC

289 289 289 1 5530 55 5530 55
38875 32670 02335 21069 52475 26229 60282 44263 61815 36323
24791 53543 24390 22831 73073 76728 19330 07731 37943 19185
47917 94829 54683 03688 95624 23254 23614 02186 61739 69697
73367 23062 89161 90732 30303 88104 70597 58074 89061 59680
12194 97051 87306 83421 22302 81395 59552 05260 63756 01881
23657 55094 05741 08113 57759 000 000

11519/12194/13407 kHz, 15-07, 1100/1120/1140 UTC

289 289 289 1 1645 55 1645 55
37989 88434 48203 69132 29305 13236 41331 54942 10435 95602
09312 68047 74316 49435 33032 44637 54643 65137 27926 08133
14888 24235 19010 48677 71503 14774 16164 44726 44424 19845
75561 06306 01131 16370 61682 72288 57180 64377 50662 65862
33850 34994 71492 53772 38253 67894 14746 79422 23651 66884
19042 71574 62891 03065 92059 000 000

11519/12194/13407 kHz, 22-07, 1100/1120/1140 UTC

289 289 289 1 8552 56 8552 56
52107 35499 49426 19728 92104 41306 90318 97498 30309 12129
64952 95739 71218 76803 02485 12703 69707 18484 99505 58665
30132 82701 86786 95376 49905 24280 35383 02971 74631 16643
30834 55491 35454 40542 21231 54794 19740 71458 53215 54682
86991 31774 93490 92867 88532 35044 72506 14243 99396 59927
92303 10069 55040 51231 89609 69404 000 000

11519/12194/13407 kHz, 29-07, 1100/1120/1140 UTC

289 289 289 1 7442 56 7442 56
63692 85152 88800 63434 11371 63270 65862 80713 18250 63444
78907 12620 63697 97572 56875 79294 02738 80046 32278 46014
28294 32426 01933 72280 07634 25013 80938 03600 26920 07756
21318 47752 69724 96535 01514 34034 17443 22856 46697 67042
89341 57851 22535 82768 13009 80856 81318 20325 79647 90881
45392 98602 62471 85180 87793 31265 000 000

12162/11566/10711 kHz, 1900/1920/1940 UTC

12162/11566/10711 kHz, 02-07, 1900/1920/1940 UTC

546 546 546 1 3320 56 3320 56
89812 34880 69438 30957 19861 01499 70395 73960 08870 58246
49995 86087 91566 59984 32879 08945 55025 28341 98900 44483
24591 03931 89795 94468 63978 39049 47832 85610 30405 97054
93257 58885 14120 06431 34282 80277 35818 26358 32241 75925
36114 73928 26246 56281 63012 57442 75868 54530 63123 92398

55456 42651 66608 62157 01084 85880 000 000

12162/11566/10711 kHz, 09-07, 1900/1920/1940 UTC

546 546 546 1 4814 56 4814 56
53335 49341 16132 23072 35532 80941 82301 57031 88660 31718
83904 07114 91051 58851 07863 27907 49872 85932 79248 03388
37495 01809 64613 62724 47371 12719 26814 73298 44433 37391
68994 84766 96113 00264 49176 65763 94654 23582 48929 86549
38008 50743 43013 72725 28658 51617 44732 42686 18614 91412
64004 52811 50105 92600 96125 51526 000 000

12162/11566/10711 kHz, 16-07, 1900/1920/1940 UTC

546 546 546 1 1521 54 1521 54
03329 22551 29465 48596 10671 84705 63897 24942 47416 88510
28634 73215 57599 76899 52028 36958 80409 54892 80919 45018
89925 20093 65058 20500 40512 96248 32374 08210 27331 68942
13918 58678 83357 98531 03137 84056 76445 84568 13612 48424
81613 87136 03897 66729 84594 83108 34299 97501 84897 22587
93669 82362 23737 37664 000 000

12162/11566/10711 kHz, 23-07, 1900/1920/1940 UTC

546 546 546 1 8486 63 8486 63
53801 91026 15670 39692 88369 44077 41932 28746 15722 47217
42409 34387 39072 60399 65009 37659 02903 74754 57121 22915
48824 62410 17878 15246 95379 30349 26986 05559 24615 76137
43539 69836 87598 65848 30659 38114 22603 81768 40296 50484
40498 93175 34234 12828 69795 94837 83004 15665 93138 82204
41197 01944 57798 60676 34313 91390 73147 00424 44312 58020
17091 36372 04130 000 000

12162/11566/10711 kHz, 30-07, 1900/1920/1940 UTC

546 546 546 1 8204 52 8204 52
83790 01557 41311 76774 97166 71319 63940 12726 85185 18164
41390 73951 37966 29894 30975 23950 78401 65720 68909 59236
12775 00912 95891 38317 74727 42991 97813 87500 54883 55957
43463 81951 12422 09799 66773 79989 13189 92358 02206 30596
65923 93373 16629 93358 06804 95307 71738 03115 58507 54024
32299 28067 000 000

12162/11566/10711 kHz, 1900/1920/1940 UTC

12162/11566/10711 kHz, 05-07, 1900/1920/1940 UTC

546 546 546 1 7044 66 7044 66
53219 54351 36451 67501 66932 12188 53195 23434 31904 86231
31785 49610 61793 29024 80956 72814 62875 84588 19055 96075
76417 61111 97459 09478 20185 58400 10532 63075 83060 39201
38430 24895 28096 56425 81560 74702 04197 39444 06740 95360
60355 51080 63997 54455 48292 60092 50306 90992 45647 69999
54199 27928 01915 75393 57138 92106 000 000

12162/11566/10711 kHz, 12-07, 1900/1920/1940 UTC

546 546 546 1 7300 57 7300 57
52585 22921 09514 88657 95048 87107 09401 15335 73667 18203
72379 40333 70061 83951 64485 24828 54391 49335 82153 32457
49583 35251 98154 26548 31201 16498 91194 76576 62386 77196
78023 95925 22876 27935 85201 30443 03620 89026 75957 17077
48661 13632 99782 02646 31941 47077 42188 74696 95409 80008
42256 15499 56339 24599 95289 17333 24765 000 000

12162/11566/10711 kHz, 19-07, 1900/1920/1940 UTC

546 546 546 1 7158 50 7158 50
33449 42443 90514 69740 44377 71796 15139 42021 54505 03551
02751 10057 92498 45686 65277 14649 55643 42033 82150 77277

29097 52629 76827 79068 27831 34007 51075 37846 48473 58235
30766 41653 21654 10966 85050 25677 00888 44098 92970 60903
84540 88334 84044 16150 88129 51901 07468 82371 69783 53742
000 000

12162/11566/10711 kHz, 26-07, 1900/1920/1940 UTC

546 546 546 1 3296 57 3296 57
53690 94308 06467 62330 67232 56478 56068 65122 56822 06467
98180 55280 43756 02355 85300 49655 08591 69432 95132 36286
53225 19321 43316 66110 21490 51660 98532 73793 32135 47559
44869 03725 80236 29685 23716 34081 32768 15352 33820 65352
55495 31568 23827 83420 66343 91361 56309 49765 36547 39652
17291 87197 06355 85574 72210 34368 50991 000 000

14968/14468/13368 kHz, 1900/1920/1940 UTC

14968/14468/13368 kHz, 02-07/04-07, 1900/1920/1940 UTC

943 943 943 1 2525 95 2525 95
52490 96554 65672 69197 57563 74117 42288 02031 82835 42006
78698 92499 36277 21793 79966 62143 75668 55313 09180 25826
76062 13170 65021 65945 47575 59541 86549 25059 06302 53415
54202 00773 51558 22598 80953 07676 36576 98761 40842 97780
20126 96003 27601 01869 84403 03674 78238 94163 02246 32166
57674 52697 70027 52670 17707 96241 97622 67423 06217 28736
06206 89948 17797 91271 94117 16449 31988 49929 95513 86895
75614 95435 90578 67077 41430 70554 95263 08855 92013 04592
40249 68648 26399 41517 12381 87108 08073 60817 13933 80940
69482 89341 02181 80560 97484 000 000

14968/14468/13368 kHz, 23-07/25-07, 1900/1920/1940 UTC

943 943 943 1 3651 126 3651 126
92527 24378 60400 87362 98602 45843 86378 76747 11823 38967
31552 53683 52495 77833 63744 26641 61901 96258 40607 20374
69554 66942 15048 42454 38000 95956 01052 65261 46316 36406
67247 79520 29902 28817 88631 10977 00983 83377 26006 14420
99001 32626 09796 69546 37176 84636 58373 31314 09174 72508
99523 22813 62871 20541 16756 73124 59574 42252 14766 40598
45211 60342 67761 98295 55845 72676 79831 84601 65287 97607
28359 32392 48784 10871 44170 54939 93407 23086 68950 95231
27916 32772 66302 55535 03154 93609 11536 13329 10312 83965
38484 17989 45940 65677 41728 95957 12582 31557 26991 47756
24464 10136 50100 45367 13096 09013 83543 52688 20932 21132
39346 13839 99605 13920 69525 63325 67407 22491 89117 42381
66152 66951 34585 10359 69204 15956 000 000

9176/7931/6904 kHz, 0400/0420/0440 UTC

9176/7931/6904 kHz, 03-07, 0400/0420/0440 UTC

257 257 257 1 7606 128 7606 128
39692 72446 67707 43994 39177 63568 44034 26921 59765 64296
98265 95605 41420 24611 15582 23731 10047 06840 63883 29779
55878 02581 32387 06299 40341 95149 81152 74645 99135 40319
19760 77270 11393 17463 58767 82390 29347 03578 74476 28770
17321 69611 82976 44141 37170 58530 93370 03538 93305 80744
91055 86949 31814 66367 72825 37111 40059 61407 03653 44027
82415 69388 27784 19445 44536 20995 84211 23957 65843 33191
94382 06468 32373 35112 12457 86264 19604 88244 69128 81809
01778 77614 81338 18301 49262 32809 45455 45025 44636 21655
42330 67939 99924 30448 46354 47931 41826 63530 99604 16175
74317 69413 37694 60114 86361 84587 54576 96700 53909 86559
17507 51813 92278 21842 42248 04801 88048 09392 70181 11726
75538 39186 79319 44187 90859 26442 06543 01924 000 000

9176/7931/6904 kHz, 10-07, 0400/0420/0440 UTC

257 257 257 1 4316 141 4316 141
55987 96975 46972 54895 89398 63772 13301 15126 41382 87858
22627 55207 60603 94330 68257 69877 91259 42783 80254 32207
94677 42594 82055 21967 98848 84638 06947 39696 70753 22203
03464 76789 87018 88847 87120 13900 06325 31081 78947 51893
69480 06931 98518 67344 18061 21457 71446 99822 38491 83639
10346 16487 32282 42039 78006 13393 14919 25005 56045 04760
56825 73603 44371 19179 84393 45836 68188 71755 07210 54356
63551 60177 63834 28361 52726 87745 44074 14711 03906 77391
13191 07123 01205 87113 11857 86976 44507 44978 10840 73726
98980 81319 75035 07187 95066 95875 62559 79339 82950 72223
53267 96899 92612 84134 20087 50167 52651 03920 79312 90260
69317 00208 21099 78652 91567 49701 72398 57256 01321 97415
01329 23209 60915 33482 55375 82231 85141 89646 33293 66849
25186 64734 31760 31681 24123 13500 14510 17070 67025 61688
34325 000 000

9176/7931/6904 kHz, 17-07, 0400/0420/0440 UTC

257 257 257 1 3113 123 3113 123
69856 81498 30755 91463 24265 64301 71391 19688 74026 84220
43161 90233 90652 57761 71246 78567 88104 72710 27982 83993
60385 47173 67591 73509 55463 06234 25806 10536 68129 20965
71155 29044 37978 22333 47675 20659 85373 52385 87997 52646
26714 21246 77727 17473 16787 67633 76609 36356 89902 01616
14436 98175 96763 19212 51682 22683 13907 57245 35999 18030
38495 60854 51558 53061 14174 14116 52254 68319 10086 50586
93193 35719 84711 75334 57279 39138 69444 50118 56721 87829
29623 89449 20633 66512 06528 79979 32279 18766 70649 24991
06752 28127 16638 69966 14151 65858 69687 24666 03298 02670
15378 08290 26269 39315 08422 78716 13463 21428 61932 12544
53237 63787 00524 48168 88405 49044 40221 85044 46532 24194
81835 33488 97668 000 000

9176/7931/6904 kHz, 24-07, 0400/0420/0440 UTC

257 257 257 1 7780 129 7780 129
46637 36109 40490 90183 88103 16241 61684 82122 10929 92497
75853 71671 73610 40482 14545 93593 52196 28366 45010 17970
68984 89940 29885 45756 35218 20371 86749 54808 69775 18969
47585 10708 59079 75134 50211 58334 58535 13108 02269 39984
66662 46918 41689 43740 88991 72384 08182 36656 65248 97481
20418 81723 80618 65786 61577 56695 06223 94732 54965 67732
29491 06876 12347 91958 44911 65144 12591 98475 90269 56210
35058 39088 26097 05026 51307 22066 48251 86144 56763 62832
12188 50092 99558 72292 98550 65860 30088 93292 13557 93514
52110 63801 58142 34535 10492 59785 34571 49729 98827 23846
59793 09705 46385 99037 62423 81328 55626 75592 14478 39511
08444 20078 37969 92131 55543 79397 07316 40053 93406 79050
35055 19297 84917 96753 04099 71255 80944 91560 94532 000 000

9176/7931/6904 kHz, 31-07, 0400/0420/0440 UTC

257 257 257 1 3600 130 3600 130
40048 04758 38027 66502 38080 66502 82940 36948 67218 19779
14688 33898 12967 30227 70407 90876 85585 89346 56790 66240
43528 72436 28629 27326 96090 52002 82844 13768 41252 83565
75637 08610 83515 27992 33446 51146 13307 78230 04342 76377
96456 27966 90921 49298 75484 32563 38311 22768 50471 39285
04951 91448 97151 10895 90778 67610 76127 10701 70410 86076
83227 69171 95695 83651 44140 06077 50381 84974 96780 19260
77568 07355 85003 80412 69783 15562 81514 79330 51841 63527
13691 60075 63295 01066 78613 84187 11457 72619 37212 65834
75018 02606 07819 18265 93148 27284 32270 07269 05157 69406
82180 53336 25987 31210 61716 97595 06445 16739 41111 75216

86095 96795 58859 06882 72385 23152 05876 93728 05038 59952
94619 77760 47762 30945 44241 74961 99534 66737 87262 42498
000 000

11435/10598/9327 kHz, 1800/1820/1840 UTC
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11435/10598/9327 kHz, 03-07, 1800/1820/1840 UTC

983 938 938 1 1768 84 1768 84
16407 75064 28287 13270 39551 95022 31151 71645 83643 94431
61412 62662 54445 32213 98244 19180 21211 41454 99990 93969
24468 10085 11585 43169 21521 72053 74650 03106 55807 82087
86332 82745 52548 62736 66314 56482 16047 01013 18813 45673
59171 24272 88024 05126 70764 71108 14357 98481 41677 74964
90062 91397 12078 48513 67442 06321 63479 85116 91748 67496
20372 28045 15837 01555 08098 78666 10114 91708 65897 41762
03132 20198 22641 54317 34797 00196 22060 06459 72404 50411
57696 76167 61428 80841 000 000

11435/10598/9327 kHz, 10-07, 1800/1820/1840 UTC

938 938 938 1 8373 78 8373 78
27849 52626 81370 84892 57749 45156 13328 28941 14837 39236
64922 28210 83935 09309 03793 58835 40646 61976 41876 13200
51631 62588 87739 93245 44190 15884 83771 27020 32027 32569
62365 77939 90360 01322 64191 65022 17081 09268 53838 06765
00544 09951 74497 97487 02639 67832 18090 68707 54813 43573
99032 38021 78516 15466 30285 65260 64885 88123 40701 41865
61383 86307 96913 82266 76869 86981 37849 82613 45117 38770
41754 31378 08138 35110 12656 41679 88089 90250 000 000

11435/10598/9327 kHz, 17-07, 1800/1820/1840 UTC

938 938 938 1 5267 75 5267 75
86385 05805 56719 38060 35649 35196 36749 47131 29952 82989
52607 03679 65733 50163 29172 26537 81836 09778 94937 54950
10928 29679 60905 65606 88304 87076 26682 04013 55759 78964
20039 03229 21236 46063 21623 46554 16315 52723 03555 63900
74849 58932 61488 28408 77974 42051 61996 31364 65243 25634
81887 60351 25928 48197 91835 56706 54898 91110 49755 48572
08513 32736 91371 50986 62949 39378 82442 19679 28539 82617
10221 29113 06222 31037 80099 000 000

11435/10598/9327 kHz, 24-07, 1800/1820/1840 UTC

938 938 938 1 6410 79 6410 79
23508 64629 42128 37585 81797 60393 30442 35446 02213 04997
72269 93178 43053 08390 77369 02528 92203 02631 33335 32786
45923 43536 81143 26623 75668 41131 35826 63677 77430 70067
12099 72418 23711 49453 70688 33272 75350 42530 36537 32180
97922 85263 98759 78528 95099 11259 46490 57329 42024 57265
90678 74293 38413 94248 97775 79971 83484 15505 61915 40665
24566 66763 58014 32145 92897 99850 69466 93598 37700 44096
27176 49672 66093 01154 34863 60659 44776 02615 31522 000 000

11435/10598/9327 kHz, 31-07, 1800/1820/1840 UTC

938 938 938 1 7210 76 7210 76
77144 86267 67886 79058 59465 67430 51098 28583 81338 21290
25310 04319 76750 68307 07217 89954 56928 22796 60397 12844
54805 52889 14021 72823 02338 68496 19638 17748 87027 86033
40997 31314 92016 61805 23692 36621 14102 62787 23145 17021
22304 23097 33627 12914 27624 39808 64382 54644 77260 70658
15593 00297 40148 65280 58743 24254 72245 95061 67179 90967
47792 33349 41555 95303 80292 93995 12302 19445 34615 70595
75852 94140 99650 43375 90539 31707 000 000

17453/16312/15836 kHz, 2100/2120/2140 UTC

17453/16312/15836 kHz, 04-07/05-07/11-07/12-07, 2100/2120/2140 UTC

438 438 438 1 5584 21 5584 21
45762 09914 89130 37530 79819 88149 88873 21561 93849 13993
40143 55645 50822 72994 37656 79303 72235 86043 86217 60041
36234 000 000

17453/16312/15836 kHz, 18-07/19-07/25-07/26-07, 2100/2120/2140 UTC

438 438 438 1 1299 164 1299 164
66203 93638 68967 81875 04032 01592 41581 34588 44253 22937
28246 15592 40290 28089 07717 91587 17539 19084 67487 84839
77587 89334 88579 40344 31297 79945 24640 83055 11983 18485
82638 31640 23445 58663 00451 32768 52932 41137 61365 67234
25972 09582 97942 01166 57992 10318 46259 11186 64720 85301
35502 70504 47917 87697 89309 78240 10862 41329 04979 49251
62489 41481 17911 27191 84479 51490 94518 10835 99959 75807
47992 68657 32023 35160 28842 78685 63576 44801 99749 57436
23561 41557 82458 91515 64007 57327 90680 99662 42541 11120
79082 19755 18188 47258 32500 91166 24600 74110 50612 73699
32489 75854 83777 56644 09081 45826 21676 39511 45755 71048
80592 30753 58375 82401 49653 70265 44774 83167 47528 47856
55145 43248 11144 06842 00508 64501 64384 17777 91276 13943
05607 94784 68919 45069 23364 04548 77893 88468 52018 32889
45521 16910 67547 26920 43641 55477 31777 50302 94755 16912
29036 63405 62021 80911 83923 11809 19980 83743 94782 73442
85953 42974 31772 90636 000 000

13931/12131/11536 kHz, 0800/0820/0840 UTC

13931/12153/11536 kHz, 07-07/11-07, 0800/0820/0840 UTC

915 915 915 1 2098 174 2098 174
06719 50548 00378 67292 50037 64733 04353 39877 00504 29469
26367 73880 82489 63555 14218 27341 48616 28566 20968 20960
41169 31692 62671 94264 91442 93664 27617 14766 64246 24937
65605 11627 30992 11149 97830 87873 18197 82188 36462 51727
07060 63515 09396 29934 57867 42890 14558 37570 82721 19785
52915 95369 36485 72004 53171 32745 07859 34489 08962 03820
62096 20087 66051 13814 88222 25812 28076 54657 64340 93711
83755 83305 66838 86078 80301 96677 07093 96425 44580 87399
92275 47768 65595 12693 79666 44155 33347 58024 21899 08064
99053 23649 85900 45831 37731 62533 63740 65861 04178 32026
34548 06022 51371 06186 16812 13165 01678 49076 66204 15456
07917 69028 46249 04400 09962 56321 12524 06279 53786 51231
01450 43092 95291 32691 05257 00796 45082 62569 28084 69244
76603 94241 01322 34575 08246 87441 84076 92238 37902 49975
10468 56016 88891 11922 80027 08625 74230 25845 52224 71634
28557 99011 27990 38219 80356 12663 16288 65157 83817 50277
81377 14649 88659 68046 90626 67514 98574 94617 94412 73100
32504 13370 12472 51809 000 000

13931/12153/11536 kHz, 14-07/18-07, 0800/0820/0840 UTC

14-07, 0820 UTC: Restart after group 40

915 915 1 2805 152 2805 152
94679 43820 22259 97083 15126 57738 33908 41855 34501 35602
00286 62613 79397 96235 22607 19275 30889 19260 21684 06127
90102 68005 76179 24864 13507 12091 57227 58213 36166 51986
60894 89276 54144 92340 49492 29017 63392 05148 67896 60494
96998 85046 71894 97992 74474 41269 39123 54725 15783 63221
19389 16332 65402 25928 82632 70047 58582 36801 38608 11552
33017 92928 46688 48976 33289 61260 67440 59278 87403 40735
85271 71154 40949 32958 19316 33870 11007 58017 28136 39946
78038 98711 56626 35011 60654 00193 75187 55828 29298 63701

72520 33700 91186 22021 31817 92349 06936 60738 23566 58171
85611 54113 08336 04706 42601 55169 96275 80139 84579 69418
34412 25709 21831 63341 27833 15354 76165 31969 77728 51310
23061 59795 74880 89296 19700 16799 72885 56701 37927 69637
62308 55936 62317 65508 61938 87960 72130 21202 86866 65489
11050 44522 28339 83289 03286 92662 48565 92935 19971 87181
64519 96240 000 000

13931/12153/11536 kHz, 21-07/25-07, 0800/0820/0840 UTC

915 915 915 1 7917 141 7917 141
33584 27301 61226 77715 65224 19314 57031 15537 25631 92205
81829 51792 90063 69573 07446 89320 63485 13234 04612 40916
05836 06327 12936 00881 45977 37144 24689 62476 74640 09846
28033 19944 67380 68163 31372 49567 23782 49884 29373 70632
48450 64769 68296 68894 10160 25315 72570 92705 88442 02151
06629 67162 20076 63553 00055 33279 74201 19876 99254 65181
50845 12790 63129 14751 95546 15024 21806 93149 38269 02588
70129 05819 80556 18504 08079 12833 51927 72093 20820 76095
52631 80209 19181 33821 66533 93387 48502 15453 96019 01873
90000 33957 87297 78751 53793 56678 03265 18209 25747 17832
19704 45140 17250 21555 36043 59816 28846 97709 62659 85185
40240 74778 88079 15313 11496 29169 72654 16188 59086 16122
58412 53316 77364 04593 68807 88060 53158 43734 60552 09035
32583 93285 41702 29240 16808 86882 41528 63303 88385 50336
68555 000 000

13386/12189/11491 kHz, 1230/1250/1310 UTC

13386/12189/11491 kHz, 07-07, 1230/1250/1310 UTC

725 725 725 1 7523 129 7523 129
15810 22632 51723 12955 38547 19245 98113 58591 32705 37643
26218 40945 06063 91873 02395 55355 87719 56596 24460 49345
26502 08114 04933 63143 58385 78143 92082 50637 99158 29788
09013 59416 08099 43555 64764 79142 20655 27317 93260 09046
03777 07378 80068 20783 83943 72987 16478 90626 31734 73890
02014 45290 22860 60392 04441 07695 17698 88578 54568 60402
27162 47476 59431 02917 28630 66801 32845 62506 27108 23252
34700 60402 63335 15414 45567 19123 28044 84149 79199 85397
61665 01456 18903 25268 27773 63722 36555 47705 39114 57068
61443 32075 72747 32857 81883 56300 47946 77151 92151 17141
40141 53970 63518 08481 39190 41611 81954 07446 14825 85316
79650 33547 09379 64907 98736 25705 28573 34163 75142 64907
30246 85133 23391 70038 61808 02624 87653 30477 33529 000 000

13386/12189/11491 kHz, 14-07, 1230/1250/1310 UTC

725 725 725 1 6187 137 6187 137
82212 70217 02955 76284 87787 52350 63205 14076 55146 11724
99548 92064 44811 94676 36590 51635 22138 61721 85305 51582
26081 14391 08392 72951 63442 49617 26402 23817 00860 53166
70863 14895 51597 82975 30787 30930 18029 20861 65425 81715
10909 23226 37649 16935 01056 82033 46705 41949 56304 60756
02183 53232 40048 58215 31523 67820 61824 30003 12841 38170
25947 39387 13216 01980 40860 84652 40467 61835 63888 05659
33606 01276 96295 03589 40672 02854 76741 91455 71894 81408
02911 84451 67512 40103 50982 17630 74846 93381 51451 62966
69104 88025 08019 27254 55767 71521 10010 35668 76074 16403
41566 84869 78059 50644 27150 00906 56936 36458 17542 28669
91077 70368 58107 31432 35259 41495 71873 73111 50997 23229
09806 47085 10384 00922 36554 45579 93256 69040 47820 69150
92843 41073 15381 55491 39842 18040 06392 000 000

13386/12189/11491 kHz, 21-07, 1230/1250/1310 UTC

725 725 725 1 3795 129 3795 129
24808 86179 71360 78350 35163 56118 01235 23817 51281 91448
11704 84133 88138 19832 57300 39820 68345 36016 89392 21505
36945 17848 12192 56946 95500 48331 41501 34288 27803 01570
29649 56523 03467 27255 80714 62139 54846 56573 54449 38972
80262 28839 50592 45722 84403 84045 95943 44004 42373 23145
60723 94063 02037 16299 94058 06959 73987 14414 82849 86831
14617 66946 96012 49711 61799 55179 80666 60882 39117 95159
84973 11771 81566 50419 41242 08105 67254 66468 72542 11454
52387 97495 91913 04657 40846 35584 54485 87166 33196 73754
88151 40432 73723 67616 24354 13316 32826 00881 83922 29223
03379 35060 04887 47212 38171 48951 12496 51616 75056 85952
39704 07518 41871 71394 34444 17121 75031 91354 08864 26214
00694 93498 27685 65361 07008 44541 38046 13949 26065 000 000

13386/12189/11491 kHz, 28-07, 1230/1250/1310 UTC

725 725 725 1 8271 127 8271 127
81403 59750 53223 27586 45969 07274 46904 67052 30038 05302
81460 71690 86206 53866 98287 87217 98323 94094 61414 63165
41434 05921 38237 41418 75506 60829 98702 62916 58116 14244
55822 23050 95813 26945 84144 94563 01778 01983 32303 45086
53032 08585 74199 56634 61127 17326 67770 24638 48979 37440
59912 39838 20749 84025 83886 75482 21512 11805 52078 85139
08571 83986 08935 15794 49478 58409 75875 59261 69720 03723
85438 96340 61790 16327 10132 32848 31720 81602 80289 58179
93057 74064 13937 20676 54330 15983 02301 11787 43057 08662
73050 89972 49903 47163 36515 69045 99649 58405 07156 02717
41450 08509 54917 45255 52000 63571 78047 04421 73893 51037
43762 39909 31514 93898 92080 34505 70048 88257 61462 33494
56108 64087 16203 61057 30671 95465 46436 000 000

12217/10817/9317 kHz, 2000/2020/2040 UTC
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12217/10817/9317 kHz, 14-07/17-07/21-07/24-07, 2000/2020/2040 UTC

617 617 617 1 6138 187 6138 187
14936 58205 70890 08695 77446 15810 36064 61042 87276 28904
75116 23107 98449 58863 11168 29406 74197 45503 28640 63956
94722 75350 74907 92100 28387 87734 21740 36011 90007 77089
05018 18007 73067 64346 05570 16280 31564 00113 68970 62304
48058 76625 93571 77900 73338 53338 74075 89949 92531 71351
33413 14776 70466 40485 26740 88252 72996 91663 65528 45962
95504 47313 67514 03536 01734 62422 41288 77210 58454 98316
06166 34003 80024 08526 82073 43700 34753 48915 27910 44581
82050 67462 82018 27951 52071 26038 28159 50429 15203 21431
61544 21513 19199 72465 71525 42178 06694 46789 99465 59957
47465 24974 65054 60800 13139 38940 04212 69741 45816 17350
79405 73356 44758 04672 83386 56705 12775 17762 63975 61827
06704 01762 43105 21361 70437 61353 72234 01064 72389 31766
24944 68174 92758 99585 98396 03569 04443 06584 49455 88735
32159 63411 59102 57183 87308 90113 08803 91100 27831 55926
50493 92196 88750 67325 57565 35798 23489 23024 78578 04208
47932 08510 54868 88309 30951 40012 34923 33830 58473 85192
99343 16887 34379 70306 74859 92047 01111 32318 39504 57280
03748 44806 86800 53398 72246 06879 78769 000 000

Exercise traffic

10623/11448/11518/12132/12193/13406 kHz, 0600/0610/0620/0630/0640/0650 UTC

10623/11448/11518/12132/12193/13406 kHz, 16-07, 0600/0610/0620/0630/0640/0650 UTC

412 412 412 1 5310 58 5310 58

15121 86472 93393 80842 34970 01253 90897 70601 45743 43926

98258 95523 24959 00675 82842 12382 95538 15930 91165 59306

52202 26972 24234 80042 36583 30311 23417 77797 40561 15464

96948 18322 14664 92332 13442 28602 39880 80471 58754 20345

35032 47615 01317 16611 01308 87642 17948 73860 52610 95750

30707 36559 82703 15632 86899 88147 62238 13351 000 000

M14

12211/10243 kHz, 01-07, 0500/0520 UTC

952 463 463 51 51 = =

23096 01622 95796 91429 03457 08318 58317 72190 62788 56&63

24139 72533 36988 71316 26401 59886 46851 50487 93326 58748

06754 00116 02864 67612 27972 45688 03031 04482 65057 57595

08938 35704 78722 59301 12398 67782 13670 10228 65077 06869

14792 80522 21113 15617 30198 59919 50145 22080 74484 67863

56695

= = 463 463 51 51 00000

12211 kHz, 02-07, 0500 UTC. No transmission

10243 kHz, 02-07, 0521 UTC

12211/10243 kHz, 03-07, 0500/0520 UTC

952 360 360 27 27 = =

13402 35907 83192 44110 49686 00220 79639 03008 38716 74221

74678 07165 23367 12019 12452 20342 12653 84729 53799 47978

14994 15584 95510 52223 07133 93249 80698

= = 360 360 27 27

952 871 871 25 25 = =

59172 44758 07929 97655 29060 91965 20998 89082 21196 50590

18578 72999 89520 79169 12568 79969 17195 20250 24372 35354

97704 49627 49838 77739 95738

= = 871 871 25 25 00000

12211/10243 kHz, 04-07, 0500/0520 UTC

952 952 952 00000

12211/10243 kHz, 07-07/08-07, 0500/0520 UTC

952 471 471 53 53 = =

37411 07197 64998 50756 59114 59114 85656 56574 77697 18560

36912 12954 10000 81610 07418 79536 02156 83405 45601 37107

26318 00901 92176 43907 22012 48298 76041 08848 30943 94837

21983 23807 27212 59639 43639 22186 78885 63282 20155 55937

01846 40814 79963 08222 91862 45868 40140 83913 45831 00589

74748 45109 08101

= = 471 471 53 53 00000

12211/10243 kHz, 09-07, 0500/0520 UTC

10243 kHz, 10-07, 0520 UTC

952 467 467 32 32 = =

68930 66613 86322 29127 28558 98167 60670 31317 29540 42196

21245 60471 27316 94144 11458 39579 41505 50421 79934 19659

41617 05711 10807 49957 91840 45687 31055 33421 22112 71081

74591 65846

= = 467 467 32 32

952 830 830 21 21 = =

16871 40278 45393 32969 13884 23791 75805 52299 62002 97408

87446 20345 11878 97280 50483 10084 14124 80050 41093 42129

45402
= = 830 830 21 21 00000

12211 kHz, 10-07, 0500 UTC. Repeat of July 9th with errors

952 467 467 32 32 = =
68930 66613 86322 29127 28558 98167 60670 31317 29540 42196
21245 60471 27316 94144 11458 39579 41505 50421 79934 19659
41617 05711 10807 49957 91840 45687 31055 33421 22112 71081
74591 65846
= = 467 467 32 32
480 480 480 480 480 48 0 (9sec silence, restart)
952 (R) (25sec silence) 467 480 480 4 (4sec silence) 467 46 48 (1min 6sec silence)
952 830 830 21 21 = =
16871 40278 45393 32969 13884 23791 75805 52299 62002
9 952 0 off

12211/10243 kHz, 11-07, 0500/0520 UTC
952 952 952 00000

12211/10243 kHz, 14-07/15-07, 0500/0520 UTC

952 913 813 52 52 = =
81258 61665 32373 82146 01474 21806 24023 73165 10552 87895
10389 54166 96858 03101 91978 18581 57022 73190 82829 45070
01708 13186 42511 26279 43139 04204 51582 14875 69042 81825
47690 72810 32705 05135 64510 34741 13831 79758 40696 21548
29889 33346 91041 64892 02635 66936 57037 28741 09495 30630
79005 38804
= = 813 813 52 52 00000

12211 kHz, 16-07, 0500 UTC. Transmitter issues. Late start and barely audible. Unreadable signal
10243 kHz, 16-07, 0520 UTC

952 178 178 25 25 = = (1m16s carrier, off for 4sec, carrier, then resumed halfway group 9)
762 54066
47650 19187 11383 52079 14904 54583 49919 82126 99921 93335
10720 14973 76628 80528 71523
= = 178 178 25 25
952 604 604 28 28 = =
12415 40858 98169 49094 94997 53207 74176 85872 89853 18535
37210 88788 71993 11094 29517 98938 71200 76258 35258 98628
81494 71600 54673 25940 52726 18618 31463 55411
= = 604 604 28 28 00000

12211 kHz, 17-07, 0500 UTC. M14 still has transmitter issues.

95 (17s silence) . Attempted restart (17s silence) . Another try (17s silence)
5 (3m31s silence) then right into group two.
81198 48301 00700 76833 01776 40651 94837 34762 54066
47650 19187 11383 52079 14904 54583 49919 82126 99921 93335
10720 14973 76628 80528 71523
= = 178 178 25 25
952 604 604 28 28 = =
12415 40858 98169 49094 94997 53207 74176 85872 89853 18535
37210 88788 71993 11094 29517 98938 71200 76258 35258 98628
81494 71600 54673 25940 52726 18618 31463 55411
= = 604 604 28 28 00000

10243 kHz, 17-07, 0522 UTC. Late start

952 (R 18s) (10s silence)
952 (R 37s)
Carrier (15s) 1m48s silence)
Carrier (58s), then off

12211/10243 kHz, 18-07, 0500/0520 UTC
952 952 952 00000

12211 kHz, 21-07, 0500 UTC. No transmission

10243 kHz, 21-07, 0520 UTC

12211 kHz, 22-07, 0500 UTC

10243 kHz, 22-07, 0520 UTC. Restart during the callup

952 346 346 57 57 = =
16975 16403 48985 15508 23134 46094 59016 08983 84328 07425
73599 77314 81882 68704 17758 37982 39975 09790 60577 60412
00734 91293 29993 83673 31453 84433 30803 50286 12385 03720
76839 10829 78524 09656 73235 79035 13847 73651 09735 42064
21415 22330 50962 55641 17810 03411 34615 78736 25309 40369
13499 27497 60261 68051 02343 53092 41089
= =346 346 57 57 00000

12211 kHz, 23-07, 0500 UTC. Transmitter issues.

952 436 436 25 25 = =
02279 71959 86581 50663 50368 92568 82903 61061 58302 72025
7 (1min silence and some partial digits) 35 92935 40719 97079
93791 77391
= = 436 4306 25 25
952 781 781 32 32 = =
98561 89282 00076 64227 82127 13423 84255 62176 55472 89850
73406 35488 22204 36383 30526 43648 77285 90520 31461 82665
59625 16100 16954 39046 90682 40130 95568 98154 85066 49494
45926 49175
= = 781 781 32 32 00000

10243 kHz, 23-07, 0520 UTC

12211/10243 kHz, 24-07, 0500/0520 UTC

952 436 436 25 25 = =
02279 71959 86581 50663 50368 92568 82903 61061 58302 72025
79411 41181 54131 63936 85907 23898 96540 08288 10112 61752
92935 40619 97279 93791 77391
= = 436 4306 25 25
952 781 781 32 32 = =
98561 89282 00076 64227 82127 13423 84255 62176 55472 89850
73406 35488 22204 36383 30526 43648 77285 90520 31461 82665
59625 16100 16954 39046 90682 40130 95568 98154 85066 49494
45926 49175
= = 781 781 32 32 00000

12211/10243 kHz, 25-07, 0500/0520 UTC

952 952 952 00000

12211/10243 kHz, 28-07/29-07, 0500/0520 UTC

952 870 870 51 51 = =
55385 51325 26717 63593 79933 08158 40626 78269 60880 60407
87769 85161 59731 19081 15637 59011 11589 41700 96868 63183
09132 45940 66207 78201 64040 10481 93490 10460 99288 80248
78616 10791 10762 18240 79418 57595 01626 71118 08388 84200
37886 40765 59179 55148 98578 78973 48843 21099 39025 47479
86716
= = 870 870 51 51 00000

12211/10243 kHz, 30-07/31-07, 0500/0520 UTC

30-07, 0520 UTC. Restart during callup

952 136 136 24 24 = =
41663 29969 94683 90761 45436 73949 35784 84201 62004 51963
43418 18698 58570 67631 47968 82549 33646 73548 87577 17340
24414 76991 80442 98101
= = 136 136 24 24
952 480 480 36 36 = =
25493 68868 38895 68950 14754 26016 41640 81685 43296 42203
35548 44099 59886 48436 86556 15450 83637 29428 38910 95358
79622 20371 92769 80588 86520 63962 83081 28179 76018 26123
51914 85851 48621 93835 31437 75653
= = 480 480 36 36 00000

M23

M23 was only reported three times this month.

10222 kHz, 23-07, 0829 UTC	LO48636017 LA1511114 (R25)
7668 kHz, 24-07, 1459 UTC	LO48636017 LA1511114 (R25)
7668 kHz, 26-07, 1600 UTC	LO48636017 LA1511114 (R25)

M51a / M51b

Two of the regular messages. The non stop message stream continued after these lessons.

M51a: 3881//6825 kHz, 12-07, 0700 UTC

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

SAMEDI 3/LEÇON NUMÉRO 1/1 VITESSE 420 CODÉ =
MJHEU ZOIWG HLOGD PQUTB KDFRB ASMNT LXCVCU HUDVO SKTNI 58726
BCSWK AS'?, POFKH SVRYX MZLFW GOUVJ AQDEG CNTHP KLJSG PNYFJ
33948 BXAQJ .,AR/VA PLMME GBYXG JHSRR LMAUR BYDIJ VWAQT ZOUIH
MEGSQ 63591 VAQHS ?.AS,/ AIRFC NTGOK CWSUN SOKAT SMHES OPLFR
BTANS PFIRG 36115 BCZMA /?.'. SICAV HYQWO VHESR OKSBY FKLJS
SMEXR ZYGT LIMER 22654 ZCZQA , 'VA,AS IMSUY WASPS LUCKY SWAPS
32598 VZAQG ,?., 'MONEP NYDCF LOIUD OPTIO RATES FORWD FUTUR
KIFRC 36541 CZPLO /?VA=' BIDSS GREAT YHTFD VMNSI
AR

SAMEDI 3/LEÇON NUMÉRO 2/1 VITESSE-20 CLAIR =
UNE PARTIEDES 4010 RADIOGONIOMÈTRES CONSTRUITS ET DISPOSÉE SUR LA COTE AMÉRICAINNE. LA MAJORITÉ DES APPAREILS EST
INSTALLÉE Á BORD DE NAVIRES D'ESCORTE QUI ACCOMPAGNENT LES CONVOIS DE CARGOS. FIN 1942, DES SOUS-MARINS
ALLEMANDS PARVIENNENT Á COULER PLUS DE CARGOS ATTENDENT CHANTIERS AMÉRICAINS NE PEUVENT EN CONSTRUIRE,
METTANT LE PÉNIL LES LIVRAISONS D'ARMES AMÉRICAINES Á L'ANGLETERRE ET LA VICTOIRE ALLIÉE ELLE-MEME. MAIS EN 1943, DA
QUASI-TOTALITÉ DES SOUS-MAINS ALLEMANDS EST DÉTRUITE.
AR

CQ DE FAV22 VA

M89 - Chinese Military

4393 kHz, 15-07, 1135 UTC.

WF7U: F NR 65/EX 1940 RMKS CQ = L0N8/X1Y8 AR

Working outstations 2JNB, 3BFF, 2E3D, VNV7, and others.

WF7U changed the call to H5TR DE PS3E when he sent the message.

DIGITAL MODES

F01

Link 00117 via Cuba

12185 kHz, 28-07, 0035 UTC

14878/12185 kHz, 28-07, 0125/0135 UTC

11177 00117 23658 28030 01939
20003 41098 60317 61872 05669 73340 23040 92726 94473 31707
95082 96458 43138 87081 42259 34152 92124 91940 52807 51266
65091 21388 61305 90982 04386 94365 04729 11948 28509 04725
40283 52599 22493 16853 54832 09258 97118 05531 70402 20182
77926 44725 63149 72759 09946 74988 87854 76040 89084 04158
00192 65784 56120 21049 43922 34210 14217 26822 26476 01651
55928 13708 31349 72278 10600 45790 40753 41114 48123 21525
66957 44475 99972 22680 15758 71087 83471 79397 30516 76009
40211 06051 90197 64595 24567 87588 59855 38652 03260 21059
16993 21992 51876 41995 02238 07575 59312 90350 67774 93412
76051 95674 21969 99434 67239 86211 93619 82494 56478 51616
64273 91710 71271 13966 42049 31329 26085 86765 75402 23289
03924 26625 30267 86681 22396 07300 79010 76298 95179 70785
74653 47442 24837 35146 08766 39197 87918 63776 76506 93345
98286 25762 97218 51111 59598 02060 64035 94928 42887 17152
20922 27415 50181 00880 90600 04740 50092 10146 01794 66571
96314 65157 89209 29800 64975 79918 64737 38214 71763 91639
83254 85319 54786 18767 51510 52490 34086 02304 53507 29649
83751 10132 90834 10639 77566 08998 61362 80499 94131 33870
24772 30191 00000 +++++ +++++

F01 – FSK 200/500 Mon-Fri schedule

11141/9192/7363 kHz, 01-07, 1015/1025/1035 UTC

35938 29037 06311 98292 44792 27837 08804 32414 19669 03539
93820 89551 63195 98168 90904 89475 09458 33293 38628 53735
84631 06962 38053 16711 81006 57543 40662 09032 92812 36641
81700 68040 87314 58287 94872 55005 09589 16582 69314 83744
44428 88988 34793 90374 83821 67452 86066 98857 73426 84540
82340 62031 36495 26794 82760 82822 98666 52470 03874 45316
62088 55864 10008 10385 02277 45407 72492 55543 86186 27716
58663 63742 34895 14789 36598 73075 00000

79113 37506 70307 94861 27223 96300 99556 37706 25513 13454
40683 54406 35757 55324 87951 03672 63394 83555 96821 74003
81961 95988 82255 43992 78329 71576 37044 42709 98420 17744
62347 71139 98110 43621 27619 70582 28982 07598 02128 48960
13645 12628 25228 00987 90276 47729 07609 83102 31105 99108
80673 29150 64493 79357 36252 17698 55328 48143 23842 26966
23402 22856 97546 38289 04462 02619 29914 74047 83627 54124
34853 81012 55862 32724 66825 95035 93174 37202 88486 48026
23249 21690 23978 03149 49196 74085 00000 +++++

11141/9192/7363 kHz, 02-07, 1015/1025/1035 UTC

53599 85393 28757 15796 68429 75444 38108 55976 26202 97412
57112 15080 33440 48725 72003 94757 25800 19752 70058 83516
81446 54421 11419 59577 54056 08977 91631 47335 73882 51067
05855 82126 90328 66359 50657 62976 54461 64853 24352 98033
64905 04094 11808 72357 25548 71463 64666 92762 88503 92750
12908 89399 80770 59161 68702 78760 38008 89993 08486 17800
93890 73126 44190 03857 98461 50539 19580 00058 63923 41037
92614 90909 61313 17366 89792 97742 16497 79912 43398 08710

78904 94175 47598 03025 61475 84191 94327 74122 75214 99104
74893 81440 06827 95073 58236 85489 12851 99687 81802 45924
28736 51103 15931 87277 16294 29063 87734 62073 97973 20006
75373 65975 51385 83438 08688 84680 62515 11773 37110 77242
61075 00800 50802 25500 86407 73000 65950 04310 57409 20872
10164 52271 44882 62470 68899 47623 69774 26331 78863 19000
75728 07992 79331 45748 49390 65264 57298 27472 86905 44483
47428 27513 30049 54881 72724 20034 20415 33310 36852 95410
45112 66473 04068 03611 72410 62870 27677 40244 00748 91629
12973 04984 69573 30430 25571 87029 05427 89689 81110 57314
01724 05210 77222 72138 55660 16463 53733 17911 10691 72720
92021 51700 77999 34185 89475 17262 35428 60348 69988 41252
27268 02728 16416 39301 13382 44193 35956 86633 41064 52063
94371 32934 38109 37153 79996 66134 50494 35974 83464 54814
73141 58258 04103 23900 47171 67011 18917 43361 22106 83260
75116 34570 06453 32710 92110 24038 55091 76467 83911 99185
66935 93046 37890 45873 91263 03827 10817 72332 66198 59152
28118 49235 37735 27267 97303 20541 32791 53270 71479 64853
84679 80277 23910 11934 34479 49972 19538 44094 56702 24749
94424 37127 82735 98614 79035 20484 20455 89056 26311 61374
93482 27050 30454 02481 48503 87398 47392 07970 04085 26593
52816 97498 39445 20380 98777 72892 46590 18223 54739 67183
94275 56847 44046 70707 77221 00053 11742 13933 49009 96980
84669 11715 62121 76033 09798 98669 63538 16621 81699 10343
19342 65921 95140 89869 66760 92862 83691 24806 17090 96483
30320 43830 57937 10887 60888 27992 28213 73960 56503 16196
64316 52049 45647 09620 40949 37779 62033 04733 54996 63211
79120 09632 25914 95511 57230 23349 11047 07333 64187 82847
59344 39086 55448 07372 51872 95301 24628 94855 02592 42250
60379 50066 17829 99025 70559 49169 37863 39277 59610 70414
09096 45762 70112 45618 60212 84931 24423 12135 80789 93709
27361 70003 25784 95678 15853 73957 94330 88839 66501 14989
56304 72144 96990 71145 25063 02986 22284 32256 99825 02829
51540 28270 26118 53177 36693 15898 47715 75417 00000 +++++

11141/9192/7363 kHz, 03-07, 1015/1025/1035 UTC

33827 57574 68853 07235 30372 33799 72466 12644 68652 53915
79411 93151 69946 03294 86442 57025 73034 38014 59865 40354
56186 13565 72808 62167 56518 00368 76575 49967 41399 59555
73279 71605 11591 77429 81916 34450 40817 82065 15099 37770
81449 90470 08614 89279 90988 59745 71000 21786 59034 40700
45336 70870 39433 57332 00418 99533 17291 60634 93523 80765
65533 30146 71945 73948 70703 21709 05478 56057 32690 84833
67050 93576 68062 98150 03697 66074 71714 96353 65034 77381
16489 76081 00000

64570 09148 12094 05645 85211 55599 62809 62748 44503 01698
45314 54370 93329 75474 42801 86693 88646 66966 06707 98117
03590 22476 46740 03179 15788 29940 76481 14293 84855 50098
87989 08523 54971 73155 53844 31552 43496 05614 80067 56053
01560 16974 58370 36638 57565 00977 91137 28576 79533 31101
87620 62470 17235 14967 54748 92078 10046 77366 31007 57471
71467 26590 36827 30697 86231 83740 39909 36165 80955 79726
58925 62920 54257 49612 54045 11001 77292 79028 77706 77079
00000 +++++ +++++ +++++

11141/9192/7363 kHz, 04-07, 1015/1025/1035 UTC

00000 +++++ +++++

11141/9192/7363 kHz, 07-07, 1015/1025/1035 UTC

92846 12453 84384 51775 43419 80283 08823 52631 02248 53325
99307 85241 35266 13481 01461 33252 13417 53999 49275 80385
99036 80202 12506 66099 17905 38435 85153 46809 59108 84173

69768 36120 69938 25232 37232 22492 37985 01003 66715 87790
77633 83674 95501 75152 63134 12357 33363 79603 75453 96046
21172 59869 55070 46394 38435 94815 77923 26177 89450 32950
96690 24444 22754 08438 14586 94249 63562 22045 83864 13934
63889 10476 46219 57858 00025 52515 57266 87572 72062 85426
62292 99308 85171 30050 15463 88776 17289 48015 59676 19173
02926 79535 09247 03352 87777 35191 02609 36097 33821 40169
17227 37424 79582 54368 63902 92856 85278 16830 02660 01616
17498 87917 47406 68654 53129 87691 51540 01477 07209 53910
91715 97682 14386 68095 91930 34168 18687 23108 55135 93925
51268 30660 94553 91383 00843 92207 81889 82210 06475 81657
54625 68536 27421 13332 49582 35518 69709 93621 54940 80187
74149 79770 97906 18532 95449 94222 10208 81722 27139 67975
38610 37448 51975 11378 92639 97283 22531 35799 46703 96025
01639 74623 38785 53948 17395 76990 32919 57894 12390 72731
37614 22161 91877 31934 97425 15106 00548 67573 99858 62410
82603 54645 64788 62943 04827 64242 08593 78159 47319 36009
00176 80970 91607 37415 51074 75026 60795 83275 06829 20342
91461 13973 31825 26214 41973 55798 04764 97353 66924 11867
66972 44188 12364 57031 90736 93248 11520 35238 59831 58608
85695 82767 79454 60274 80030 25781 57739 00508 88813 25631
26036 33982 50027 70360 90148 92723 13829 35823 29722 51786
14636 64883 87954 46574 01515 38109 18836 77768 06563 34412
84086 64789 55956 05065 16997 33729 53371 09533 95341 50694
90449 86565 90576 36496 64003 58972 85472 23632 04649 95531
77415 41477 46549 78465 09521 40650 92963 49917 96779 92464
57278 35873 39404 24425 84213 70955 40573 77690 80904 72546
70754 97446 12518 37648 45800 92131 42116 60949 10999 22442
19449 97509 48271 06063 48347 18520 48700 49060 87431 33558
17573 39865 63799 77791 04142 66800 04390 87557 73268 45075
14717 12758 61161 64191 59643 39511 82367 91694 25908 21493
80238 94219 71060 43404 38030 61742 88523 65013 92833 46011
43451 19193 19533 49059 59074 62401 76966 22762 58221 01049
33478 65364 89707 42167 14060 25916 94267 41850 36253 52558
89730 49869 27019 45593 80124 73927 37743 01277 18384 11979
99574 57272 77367 26049 86291 75699 08862 56000 76862 24720
95257 96670 34911 44600 23591 86836 47260 09171 36640 83421
88744 18653 40751 78403 00000 +++++ +++++ +++++

11141/9192/7363 kHz, 08-07, 1015/1025/1035 UTC

98698 94664 86455 23409 14100 01887 61048 25778 58039 07353
43695 47939 75094 31978 04095 38941 88314 55046 33856 07784
72456 74139 14902 09176 01533 36648 45783 18850 44124 10054
61835 78111 04873 83169 10125 12312 35610 15524 65120 52938
64552 77071 96014 18005 16994 45435 21652 30426 25947 52843
13994 79076 56161 99968 36043 52200 89954 78846 25198 97884
48302 79061 00000 00000

99389 68312 89406 80426 04001 92997 62294 98704 97325 32862
45680 25305 25444 82922 12764 91813 49288 37864 62055 91154
10320 64137 96574 67310 47847 30341 94547 62550 03959 75602
70040 14377 76981 20629 46982 19360 09413 51128 94996 06058
21266 28273 00487 84205 24760 05907 71419 62357 81295 59177
99229 51178 86655 54279 26295 94565 95365 14003 92415 95792
20145 58764 58732 30852 67403 27817 32527 66203 94707 10326
41335 23096 01149 40990 29817 55664 86571 39904 77815 34977
40579 01346 63048 56238 47262 61180 16862 11308 16593 97557
46490 93758 78409 44607 22257 28621 99940 80097 00000 +++++
+++++

11141/9192/7363 kHz, 09-07, 1015/1025/1035 UTC

45615 51386 68011 07214 94652 69293 56197 16680 61121 79653
09707 50869 55819 24520 54115 89201 08527 91249 93461 63179

08285 57634 54679 72281 51578 76592 29773 88616 34378 80089
14192 42539 48953 06992 64835 06404 71417 84525 26117 18663
50934 18046 97537 15469 36511 68786 41200 61999 02342 24289
52700 00662 57611 91195 43836 58390 51715 65091 10571 80209
10825 57082 84685 81254 66738 81805 92564 34433 63959 36549
69542 35927 55923 26168 03258 15704 26335 13500 04450 85244
96535 99943 28628 39657 04838 65913 97068 56380 68780 25829
90550 57650 66221 77362 14296 28931 96224 49595 57533 10479
05663 79793 96128 04252 92482 73490 11717 63329 21569 27545
25783 56043 14143 20888 72112 22000 96630 02623 56063 62187
19948 32182 74093 30352 85126 51222 91974 17832 36226 91939
05140 49029 06477 51505 29594 29728 28569 87296 96829 15413
45051 12619 51186 91814 79759 97605 73081 84834 56220 04974
76570 42058 73957 15339 54645 53038 78660 21763 70737 00533
87123 98230 19845 59888 52913 71737 07720 88758 83701 52680
21572 74335 46184 03231 90704 30292 19547 48396 60528 60621
83397 59430 28401 32554 51108 64301 14713 25745 84507 64901
67663 49921 50856 65673 25171 48171 08047 43361 82349 28062
28962 12550 37983 87789 00932 66702 18446 29519 61226 99370
02506 77130 54519 35266 95430 40547 23264 25884 25866 93822
66913 89364 63890 59200 30929 99285 83703 14303 11512 52056
19389 64665 86993 67625 87162 48780 11821 03168 72584 67851
34083 84452 06131 57445 22503 84569 75595 43221 13849 04712
48737 47931 16684 36694 04622 41880 32406 11896 97091 54024
79508 66317 98804 85910 32004 76440 99274 95625 07942 45574
55351 43960 68962 45376 17583 19963 16828 42239 80896 88075
97851 63224 33022 24047 51192 81242 99123 31788 61916 24146
06045 58388 04797 37449 14630 49451 89761 55339 93545 11957
44945 59680 33044 76827 98276 31692 22105 78389 43536 25988
37394 92919 01822 21674 17477 03454 14370 30174 20722 83062
27652 64491 90335 13759 56701 99570 74956 83254 37597 78480
78263 26716 05046 44059 36021 05747 55996 00759 43999 41748
85233 36341 85212 45875 03873 58123 29921 12753 76713 23469
06809 70152 39365 69198 68799 01814 81108 69614 01940 85597
04407 77832 50780 14159 97020 30093 58705 90324 77657 17751
46633 14372 01087 56635 78540 05379 33679 08450 87238 23856
35280 33917 58835 87823 08372 82347 99335 99542 00466 47323
31799 25073 70645 43180 97509 93851 56209 81979 59578 10481
00355 55654 32436 95905 26827 53022 85626 00177 72479 66342
95372 81411 00000 +++++

11141/9192/7363 kHz, 10-07, 1015/1025/1035 UTC

45117 83280 73241 31297 50438 53571 46924 29886 89466 55216
68032 01696 89155 03229 87877 59518 69584 53651 39876 11419
51036 82676 53892 26234 50229 11569 99598 44087 01651 57070
57263 24117 64920 11987 39428 46586 04135 85637 11900 11592
50110 58849 87488 01525 81490 33201 90949 99504 85617 79179
18541 80945 85146 12958 40659 20462 41305 56474 20973 81288
69760 60495 50496 79412 30013 95357 20046 39598 74271 39070
79512 85489 66733 82073 00000

35903 18838 22952 83433 73898 34012 36039 91102 04173 48820
46309 18811 00582 00583 55572 26664 93909 69469 70907 56178
97377 24785 29823 24854 23264 26814 03255 09908 45321 57678
43584 57103 86688 79631 69858 75623 37974 44228 07412 04905
35205 00818 24064 64389 52327 77789 30088 22123 87937 35003
34140 43133 50951 10858 72327 03544 74875 12420 52614 81328
15390 22057 81741 59684 10907 19018 66858 03922 10814 39382
09047 97843 01082 22836 30925 50517 81914 19693 05529 09410
77145 56613 78636 40800 80055 84451 01753 63414 65305 56662
17914 83091 00000 +++++

11141/9192/7363 kHz, 11-07, 1015/1025/1035 UTC

00000 +++++ +++++

11141/9192/7363 kHz, 14-07, 1015/1025/1035 UTC

83105 27389 63712 03758 40683 56592 56436 01597 04410 64972
32518 80175 24390 81444 03513 07110 62891 13323 60837 88767
73220 09441 35160 85990 72056 90567 92221 11936 22427 33048
94771 60489 69517 16593 85292 38680 96500 72181 69230 01540
92572 90981 03387 12839 50382 80259 19181 80135 35046 77188
35460 37586 91925 56507 40550 74939 85371 92970 48231 36167
85604 64511 57324 36154 45930 07070 69583 68895 37477 57022
45571 05638 33636 42138 03212 06394 61397 07015 88711 93275
61770 83921 74521 59084 26472 44989 64045 09589 03070 96686
07775 62933 85774 02522 60526 54611 34060 44900 34493 21443
86305 62080 27779 62999 60644 21164 33103 03893 60204 13066
56379 05402 24937 80385 99834 99831 97208 14129 89374 46079
93351 80217 50869 29821 98364 61717 65057 56767 25935 27730
55742 12425 10992 64880 90988 86794 26954 32342 01985 87454
44888 26330 49272 89453 76731 65006 91026 95461 69797 29738
33077 04614 44732 23631 65345 13477 94115 33295 14411 97589
83897 04764 66862 47002 24852 69514 43146 54258 06236 81521
26591 78257 08844 51286 77289 32430 39651 87770 85536 70669
55213 84184 44505 69456 66035 08554 46845 29612 39078 85015
34895 46109 40601 76771 59199 19403 86518 06632 25012 06688
92469 76111 31471 36543 40780 68978 33143 35392 06505 50229
78615 39210 09741 96401 05827 88936 86399 18178 98821 32999
94618 61205 35626 85419 99011 96083 81911 12915 99932 33449
10158 49440 99951 25083 48987 61616 24718 37011 92359 13464
40416 05496 23328 03906 34981 11887 32018 75442 55275 37256
32544 17474 17413 82747 08537 12677 32408 66596 41968 99888
14352 33741 04968 51938 63288 38972 19310 91842 39991 89551
13276 95834 74820 58243 30550 56637 77844 02697 70869 05428
42427 52105 67090 15934 59451 47093 28370 39098 84381 43765
04153 41739 24342 17849 48637 47665 37398 29876 90427 04652
61246 37329 37041 25753 13465 64712 68970 78350 30556 67453
02985 19407 37929 50602 29353 00341 68036 28252 52682 89964
68836 34608 91059 88941 69783 22674 13178 34167 97514 11453
18137 16536 58440 67637 87617 60529 30409 32701 65091 39052
30652 31337 41780 21959 52170 22190 54037 81715 85782 76798
21843 04621 69989 97708 83097 81035 35870 11680 03409 73053
39181 98925 66049 83048 96844 44331 71780 71540 70026 21573
03226 97812 60981 46096 33482 81723 15852 57870 83659 10145
50616 19869 59031 36471 42367 43209 18486 46620 53107 74893
56966 89995 78255 09080 05589 98806 37043 07828 79118 44222
47001 42254 25501 02763 49705 90037 57132 84407 00000 +++++
+++++

11141/9192/7363 kHz, 15-07, 1015/1025/1035 UTC

00895 39574 10267 11861 93693 63318 94431 93386 72308 48728
70175 50633 26492 35855 69178 74115 44337 17773 94872 46294
39685 46382 95209 24187 58933 35184 20296 46299 09421 69974
19585 37301 76586 63370 58292 08902 22082 14138 57754 80354
80032 57227 89388 67020 93625 15482 76956 10441 59219 88938
86820 48353 70162 42658 10868 48082 77507 79038 71804 51747
09800 05532 05497 06730 19144 33709 00057 79818 45723 70614
96339 78501 16770 76177 67353 27811 30532 82746 16770 76177
67353 85081 00000

63591 46369 59968 34847 10279 50744 85258 22024 68054 40399
93969 50472 48331 99819 20614 28174 43133 24749 97007 54721
27948 55191 11038 83867 18187 76477 05742 87722 33948 61839
85928 58558 52776 54923 24487 09141 55083 15680 85603 57542
91945 78075 07053 07357 29942 93053 08761 59267 52740 55188

19827 14899 24097 36469 41188 58888 41984 75648 86113 30123
38503 96596 65725 18069 05299 54094 11718 45140 49143 30509
53478 21037 07382 31781 91782 79996 77932 56172 36272 36890
43526 34197 98872 23105 94862 63190 60369 88150 82394 86089
00000 +++++ +++++

11141/9192/7363 kHz, 16-07, 1015/1025/1035 UTC

41872 55853 40863 22009 36190 14127 87807 45472 51410 50719
28219 09677 57684 80924 36197 48285 14135 29324 54544 49792
10663 57611 27641 90667 77442 30797 26222 27976 91778 70232
06231 62415 37003 66880 68949 07686 93126 53285 14577 27161
63904 57669 06457 23772 70016 88589 88140 94051 63056 23610
20461 82282 39995 00403 30822 95675 62836 33737 91878 66519
13120 06785 71798 72246 35988 10169 23291 49339 53483 27220
03604 62029 51771 88846 42648 11712 71984 46482 01471 98023
59356 36529 88235 67521 50354 34750 23916 10890 02479 24033
74882 94624 96429 23977 94571 38130 65330 55728 41422 72153
30675 40508 65275 39519 49716 55274 79406 24071 03956 93943
60405 18784 83443 07620 43061 68972 46561 22263 02466 51530
59979 57239 40502 76146 48483 93184 18924 19428 09343 62626
06194 27873 70930 61789 30293 50633 00255 07038 54659 87984
89111 84381 19472 66475 73537 65484 15444 76662 66250 88613
82329 34383 06764 27972 49323 51502 58866 99844 59540 27065
10152 78996 45767 94806 53290 23766 49669 87936 53718 33285
01647 07152 33446 85263 03513 02806 25672 27785 81200 07182
79868 23534 99675 77795 22066 69910 57240 37671 99978 43456
01418 23530 67696 42034 33615 77824 89606 23205 94731 45560
68247 62225 48921 61834 25766 78119 07681 41043 93690 01248
61462 03682 90675 80822 10988 01677 92935 55797 15462 28197
27035 37581 99867 22873 39728 77995 88525 08360 24546 20932
57116 19192 09797 61133 20346 08855 37689 58544 97442 46020
89251 81662 22671 35877 34742 78336 93058 27499 14233 97435
70510 93184 78057 09844 80511 90706 41811 02201 74596 44408
35586 41838 48774 06088 52134 36344 35100 81600 23647 36193
08577 34130 81825 53879 76582 00044 80952 97997 42995 78296
88631 45692 64217 79301 73886 01932 39285 44207 47322 19033
01242 70528 33017 74876 01970 05062 76839 33255 07672 90020
20883 34783 47176 73328 98694 91812 80265 19021 31005 85790
78217 78667 26616 90497 33730 09777 18169 69594 42435 52110
87449 21936 23183 97839 59942 73061 69277 16494 73304 36327
47864 20625 49453 92095 89642 83136 24955 58437 36100 42212
19408 51761 36458 54770 46487 60841 11506 84403 97368 82643
26522 34718 51195 93416 40457 64026 92277 53470 23586 42324
38733 69082 60792 36488 12226 59975 82692 34635 03514 05792
91777 45580 13482 70018 75760 34328 74353 24780 25318 79536
80760 24954 98418 63892 85371 05047 98414 33333 38750 97243
58096 86055 78143 94106 46883 77245 94883 04326 43356 50467
35091 74979 40305 31653 13363 78734 74481 46625 44139 89427
98247 48093 20432 94462 35309 63059 94607 17457 87716 96568
40901 49584 86320 52755 04364 87425 00005 +++++ +++++

11141/9192/7363 kHz, 17-07, 1015/1025/1035 UTC

Too weak to decode. Probably messages 88 and 89

11141/9192/7363 kHz, 18-07, 1015/1025/1035 UTC

00000 +++++ +++++

11141/9192/7727 kHz, 21-07, 1015/1025/1035 UTC

13506 37461 16421 13978 74850 66182 90216 34988 45445 73734
35144 66840 97703 84659 61283 71811 77447 75313 61625 45898
94822 22181 22378 14058 19214 70203 33357 25924 76598 13312
59412 56707 72787 04362 58835 42953 90974 36642 59667 07854
37045 64157 29863 55802 31069 52870 02231 40859 68434 80080

40105 38848 99035 24145 54671 77745 97972 11706 09892 06051
26188 14643 75969 03848 04485 13901 17275 66220 49361 72413
25698 13714 44097 84288 35332 09548 43533 92457 79452 88245
35979 91959 75719 25377 10689 61067 50530 03106 04337 87428
38480 51223 24938 81410 17856 68360 76650 93849 68097 53054
33883 80369 60170 99379 38173 79477 15796 36807 16238 96620
96451 18989 42669 11375 08103 91164 95689 49978 32597 90859
79406 90374 21648 61578 11022 91972 14358 84166 96400 67292
64217 55543 42479 37695 86509 69480 79904 40386 62063 79119
94383 78873 58292 45917 90150 34068 53455 04705 34005 78217
75080 99540 53348 58863 88483 70061 86671 44998 96320 93003
09917 52624 35117 08587 87146 91887 79704 86452 18986 02988
91505 10838 87237 73042 71604 89674 19136 51090 04538 17304
19666 03441 03749 45492 45385 76524 94639 42432 18186 59469
96154 44418 02439 63553 86837 29897 93949 60757 66304 70548
94175 48570 48055 39128 68126 33264 44578 78713 09396 48807
30673 63081 60766 53613 95933 02874 63806 72301 22331 77261
35921 74679 47831 95773 98270 09102 01985 19998 03012 32427
24422 99832 33293 03731 02208 03968 74439 33990 86967 49302
79766 08896 77748 58966 79461 27013 80528 03655 05965 20450
80333 05935 34301 50237 86886 12241 60780 93602 39725 62229
68519 65331 83732 10182 53220 40383 51020 78148 07631 69983
10088 45520 88146 08346 68211 04705 11970 92233 37990 37618
58272 40537 03988 92647 71807 66060 50417 66806 92395 16702
35790 22739 58723 88217 25475 95282 59901 75749 18116 67272
33215 56319 26819 19259 31496 19459 01075 82851 08572 88176
00338 52358 96204 97442 55194 34411 70988 22382 77082 40270
34610 73358 02471 50490 55934 00147 82448 06640 48345 72368
53675 09755 80769 28387 51599 30224 45838 09851 51912 58776
33611 24059 51152 53284 84301 01361 22419 61046 18452 39745
07106 21241 67976 53842 28622 77257 56528 70490 39016 53565
02621 38087 34445 76825 43934 41886 00435 45931 06258 42447
72858 80658 65493 79410 25579 03616 76164 07796 20687 35186
64869 59009 82269 06143 12111 43737 79663 17629 70940 38934
31104 03185 95860 26068 63734 72522 80412 72831 90889 41711
26903 90401 00000 +++++ +++++

11141/9192/7363 kHz, 22-07, 1015/1025/1035 UTC

66074 01031 82472 58176 80050 35721 18167 38755 48071 74401
69197 05793 61342 24447 04164 35860 45570 03614 33009 59507
32678 42396 37580 07814 62317 35318 46814 82085 99097 70830
04996 88882 76475 94516 06520 07566 03246 85280 95585 82552
93560 49212 54282 57465 06427 60818 27482 93363 05615 06302
57994 38245 75907 08581 30401 40001 56642 38731 47031 20021
78472 43546 84499 49625 14285 43891 04241 96521 80227 83553
15500 33461 47754 33264 14186 26301 52657 79579 46053 43634
12007 53323 67634 55200 84928 77257 03359 11253 38181 37684
22307 20059 02444 91093 00000

74462 54470 30187 89417 25171 08717 09131 43703 99414 18888
79272 13411 55729 03328 35633 65123 59439 25642 56164 63281
81156 55962 51864 39510 37187 41701 64255 98764 14004 98701
64917 35734 44004 58745 36753 59927 24712 34339 41683 52897
98635 86724 04455 06028 35949 08055 67247 12324 87194 53658
94770 10641 98198 85348 34537 05802 04370 11696 61997 13019
46592 36219 65223 00078 75882 49417 48838 25711 38999 25592
61864 97597 62206 10389 79184 98432 75358 10001 91308 53499
43518 17968 82127 38180 98266 40516 99339 48853 85918 06360
47243 85597 74815 71926 56579 92095 00000 +++++

11141/9192/7363 kHz, 23-07, 1015/1025/1035 UTC

74764 74531 77728 10646 60613 65883 37102 81030 82362 34989
40585 68985 78640 17938 58349 48976 14819 81801 01796 33259

03417 20398 71156 53632 31633 85716 81317 34312 44447 97153
76806 10600 56719 95786 71870 73040 92736 35844 76592 41762
76639 30576 94985 00666 22158 94699 05989 46182 95105 50623
63316 30254 47067 90620 75088 02250 43711 12152 49189 79491
36172 68516 15279 01079 48933 02029 59409 44709 82652 51894
32171 11161 55368 53982 16316 06155 30520 74688 64782 74256
05226 46053 45084 64518 57243 94351 50964 32551 74071 79315
67285 08703 12609 86191 99078 87045 62820 37828 00686 14847
13844 18952 65936 87212 45976 29854 65305 76602 96976 11651
40969 51889 76123 10316 95719 66657 24461 71668 36659 21428
44675 84509 59616 29502 49038 14082 85225 41094 98856 93062
82600 05464 33857 62249 41548 75716 14955 78149 79246 85971
28839 29648 92346 55581 27808 30947 90405 00084 03298 82959
71616 53586 16544 20349 26758 32259 34803 86404 82301 93633
46580 02928 18619 71382 54302 27332 24227 90282 67860 14140
71995 91036 47482 23053 28280 19647 69346 40796 30888 61027
12393 08924 96838 21541 89764 74761 45844 90153 73309 07688
50449 32882 84592 47926 48767 00236 50849 80056 80758 52334
49308 48409 33969 31385 88343 56549 09694 36212 98872 18024
45474 78527 34450 50575 54891 25624 03484 30987 70574 59180
82024 52772 01376 04874 80557 53877 39635 12472 63232 06592
79489 91108 42977 86853 32148 29416 00922 65135 49076 55216
03583 86106 89036 14439 16235 29240 89903 73975 35913 67576
31211 78144 92480 66812 98350 13453 91200 91911 84374 61349
95248 13421 90330 43652 71609 30680 10073 90343 48778 54122
10477 84410 59731 13829 43006 63425 68573 86555 47566 82551
04325 58395 34577 68666 50270 65275 56205 20278 62310 78471
02699 32939 14757 27336 84753 54826 97009 76410 87850 02192
09540 99130 09509 89359 32639 15290 15380 52965 66356 84473
75132 75118 65054 72621 64057 35175 15049 33939 41333 44819
28738 75312 40886 46127 53678 95446 35792 77305 20044 15879
62147 35797 74891 46096 13347 93438 76689 49902 40715 43350
48536 05256 21418 83255 13501 74743 79603 64915 60535 28894
71691 64359 14397 89502 71774 52609 07997 85170 18045 71573
80641 36231 06194 44811 50583 11267 40730 77837 35327 22390
80132 27682 18129 51479 36802 46355 84122 24565 17724 27943
74510 76545 16799 13993 32264 73422 94767 36895 37758 84239
07670 05931 57794 19925 69782 65694 56427 81203 61957 81557
41058 82789 21316 31877 42212 46031 73224 11622 50444 77199
91493 77126 58817 73609 97737 86628 84376 24764 35828 16306
67072 00700 82390 56487 69556 44732 79268 17724 26298 93429
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11141/9192/7363 kHz, 24-07, 1015/1025/1035 UTC

20271 18040 76921 48782 56696 71081 00918 83701 10956 65615
14259 76333 16564 69862 36353 90211 98584 21134 88684 82428
65888 55846 88670 91712 45301 49025 90897 63327 99835 74203
30395 84221 98191 19681 47659 26869 27714 22060 00096 25240
67995 03010 89573 31337 67309 20184 60788 25739 89066 68244
50104 80577 20472 90911 89580 98405 60584 89994 95852 75367
29951 42326 98570 62135 69016 60549 88077 21030 17483 58689
86999 94071 00000

30081 61699 96296 91194 97120 18442 80982 85784 57432 14535
22698 43490 05945 28802 11437 68642 11166 13028 27391 43525
66122 15441 02103 52876 04647 30850 12917 74904 50166 13387
90422 37231 89213 12774 43566 61228 86822 20076 32134 43161
86009 33852 41277 45587 58527 82658 37788 97449 99069 64843
12785 26299 80123 91550 40526 71077 09656 43899 08017 48908
58815 80243 95102 74334 51845 54486 09745 54421 35386 31353
08156 08193 69364 09574 54483 83804 06651 88927 99735 71922
53674 42055 84634 38721 29176 77004 96074 26955 63308 01433
31891 98528 04235 24409 53611 17007 24457 56746 31881 93515

44020 95813 14261 95103 00000 +++++

11141/9192/7363 kHz, 25-07, 1015/1025/1035 UTC

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11141/9192/7363 kHz, 28-07, 1015/1025/1035 UTC

16121 23414 16222 91506 96725 54718 68731 06929 02952 55154
36103 63019 45878 13694 06053 87592 85741 12353 67828 97764
37494 47738 88719 26242 20990 75745 06284 26223 04247 21586
47241 09598 13199 22336 08958 98142 06404 94191 64474 92380
38118 41613 76997 87814 58195 50565 34808 93207 22235 33007
42513 30597 10426 14859 29588 21743 78516 84599 62133 90683
89349 44703 68800 37094 98405 33090 16808 60133 91781 06792
98998 37464 00058 05002 17866 89141 36467 33717 77487 81046
32836 39143 19317 47561 71698 62059 62746 38172 38054 90323
36407 17679 39182 51718 11114 74713 65966 14306 70423 18239
94155 86501 79715 66728 49011 34027 39751 59711 81757 55960
35644 46360 31303 87049 17173 30824 69638 18477 71388 78985
54374 54280 73429 16330 36836 45596 26515 71613 99168 69926
27020 46029 18885 47615 15595 12534 84282 12710 00258 75049
09189 80417 62387 42214 20455 78323 81577 95363 16637 33563
40265 55450 21314 33148 94087 78565 79467 99615 18896 34765
70366 49207 70372 49890 35390 24739 17174 15053 44239 20384
33554 93493 47950 40524 62395 79483 92174 59877 84588 88970
89145 77080 55694 86646 71770 78915 95828 79129 78295 57370
43715 28950 40970 46715 10822 69018 77155 72793 96547 22273
06310 31696 50368 56193 41289 40026 91904 26858 27407 23935
24827 92246 27680 39105 05553 99464 77703 38886 52665 75579
58599 32761 07990 76764 61457 02332 85269 75422 41728 67010
67376 89990 86986 16603 37995 87110 46519 52985 58715 10839
96159 08034 27475 18609 36817 30025 79282 28610 50137 55673
15171 08283 59723 10006 70302 58615 71367 01250 57179 73923
90715 02933 44882 81818 41823 40378 60288 93020 35014 23773
22191 15740 57501 95021 44278 14284 85197 80540 67886 16600
39156 67205 10481 00422 35073 43633 40797 12723 99299 73973
16579 02158 49790 96419 45851 69178 65437 63602 57665 63511
92211 67075 93256 83687 59565 13062 53546 58314 05525 41665
63930 13765 33909 06723 42294 57989 52117 58484 81179 35120
62918 96322 80056 30571 08686 83639 88628 31307 91506 42174
47106 70981 17610 67888 34399 14621 39546 35626 60148 62550
94562 84724 61543 78244 62606 02776 90873 69791 92385 49713
04720 79652 68950 89425 90765 62422 21199 21074 93124 55253
92774 27300 22154 70644 24772 81523 59670 66291 23701 81503
95517 71659 13140 01358 56416 75996 92519 79229 13041 07447
51472 82785 76249 57977 13183 19726 18420 33784 05188 85517
80811 35876 81043 65502 52913 00526 41322 33603 34682 54263
27349 14792 17650 63119 86145 03514 45802 80784 29986 55263
42183 25387 39033 93480 12162 39565 80468 98979 59295 96419
00000 +++++ +++++

11141/9192/7363 kHz, 29-07, 1015/1025/1035 UTC

Not monitored

11141/9192/7363 kHz, 30-07, 1015/1025/1035 UTC

Not monitored

11141/9192/7363 kHz, 31-07, 1015/1025/1035 UTC

18265 78415 76966 20552 26846 96158 37060 63738 85574 49784
35073 53137 78734 93984 85848 44867 71471 52209 70292 36694
93792 55435 22939 74612 17249 44301 36417 43904 53975 83070
24991 55611 32784 58845 14373 64348 31994 64465 49994 78402
73688 88546 40923 48062 09086 61076 81605 43097 49705 28020
18636 55343 24036 53362 54729 87315 64358 72033 07091 97059

00000

67548 80092 80974 90273 56638 89971 00075 72090 86287 85877
42020 14493 64686 24945 48408 80117 53331 31237 97449 24458
26837 38545 36687 53160 28155 10228 00949 05585 55134 15789
14009 56827 39380 68889 97369 55382 03323 56466 34606 38641
06456 13647 64726 93408 16662 24169 02960 53624 67587 50953
12434 52485 87973 26562 75166 71139 13915 58190 35805 51160
19948 26908 16562 62969 29944 85818 26785 47412 93701 86838
15581 72657 40226 90773 40953 73620 43579 40381 53877 66092
62287 01115 20756 52766 38207 99226 32691 63341 65809 11925
75005 95901 67802 89262 55465 51742 38055 12459 14620 80855
37723 18334 66716 80232 55554 44538 44614 12197 68276 75277
47145 34939 62029 92206 12344 62446 00769 60191 65007 98119
00000 +++++

F06

Link 00000

10198/8082/6833 kHz, 30-06/01-07, 0800/0810/0820 UTC

11100 00000 42186 27096 01099
44072 66245 98240 53352 76974 22343 45169 62671 09338 75017
72886 73280 73981 13536 28588 00441 18564 07998 96828 12211
84822 49294 18069 15942 09790 98926 56539 91357 59916 03388
90857 37389 34045 52765 25845 24986 96168 88287 48959 73055
23910 88469 79803 89744 83660 88566 86134 46236 68320 13015
64815 75252 58569 25546 11141 11457 93616 26669 24991 15934
62353 53195 27223 51937 50856 59514 84770 04104 07179 85280
67857 58300 09362 39225 87789 84307 47603 53761 88742 88530
56530 90084 91996 28903 58500 98441 16044 09194 03884 63265
21019 94896 19243 87864 50880 17887 99377 98345 71782 62032
04133 71465 30075 46955 45953 16091 78375 96107 00000

9923/7369/???? kHz, 07-07/08-07, 0800/0810/0820 UTC

11100 00000 36147 04097 02279
89369 94683 80528 92006 14990 54484 82852 44363 01047 09161
93348 58093 54364 91158 40819 85093 48847 17133 19258 23929
95267 05669 20197 00298 37330 26346 21786 31188 66195 41090
39294 96156 70641 23749 66738 64180 65062 68824 64298 49510
62482 25305 71224 94964 84782 16530 48928 06104 27316 32036
83924 84718 20108 02301 05333 35076 52828 92339 96614 41354
55713 75094 06237 39703 53640 70532 86944 33383 35531 61416
18342 24390 06271 21663 92455 60038 13341 18245 66974 17912
65342 72561 15856 77638 84601 92214 31981 52910 61047 09147
61546 82205 99540 85044 74882 01631 77855 69981 03390 48332
57487 25214 97267 67914 14478 46074 83738 24298 82457 45900
30443 35448 25073 86936 43703 83437 79995 69151 56332 72245
41712 12888 84682 31759 75254 96318 59624 91397 78090 33607
61130 71808 32334 04738 11170 68061 14484 72940 04582 22789
54865 50654 82632 12703 63965 99956 78929 96927 67850 78408
92387 00589 19859 66246 66939 32091 80742 35859 82665 57528
84458 49484 88034 80655 31789 96068 27956 01869 78983 03227
47309 54622 13609 85230 74655 42731 34791 12974 15808 26984
80037 16849 11961 34510 65837 58467 42046 89342 34206 32168
74023 87608 22388 82247 94784 65779 97879 46851 73347 35437
25981 64460 37054 82968 62045 03914 65432 57649 85633 03909
31427 96542 18743 32900 44678 59641 95307 05359 76540 73716
74157 15312 71529 08286 12618 97225 00000

9923/7369/???? kHz, 14-07/15-07, 0800/0810/0820 UTC

11100 00000 59487 11098 03079
74938 86045 10753 39245 27022 20157 20375 35727 16420 27758
89872 82748 59664 36905 61444 75957 33211 95954 82326 53750
15150 00907 35227 18214 33667 56432 37220 98351 26922 94028
24288 41534 44045 95746 63695 44106 41931 96919 61372 57095
57525 66328 56522 27951 60282 87256 20609 64262 14489 87850
02933 30380 06137 94238 89977 12894 14037 04846 70708 15882
29855 09325 25019 71898 56766 00572 77511 79611 41402 53228
83792 04039 18793 67134 41477 00326 74988 99159 43090 46986
57026 31847 13046 99561 84974 52316 95897 00623 45690 39853
88047 07063 73017 85628 30101 20602 44095 92989 02045 32465
46466 31748 88454 18148 95669 44910 05908 43221 08017 31291
09786 66110 58224 52443 22662 48780 76602 37334 51459 11273
65479 83219 85564 91023 39550 76149 93086 92906 19840 79530
57447 40937 35971 64203 21489 67572 16415 78450 31296 01546
71417 81394 96903 40176 98294 88202 12092 17089 63773 00550
00451 01277 43072 20774 79896 88455 20408 73160 62841 70636
80616 80788 34185 94859 46573 71383 74337 47028 42099 10616
19435 21772 85049 86272 75964 64290 40261 91747 31959 95098
87048 82281 31971 53629 80944 02406 07995 21611 14359 07998
83541 12177 05858 31417 93038 35626 72742 63139 83756 77791
66607 48327 92432 51935 76588 21794 13801 10119 29963 29766
03197 24985 44807 11914 80430 77888 14388 42067 27122 14307
27981 51059 94677 52476 57807 80137 65098 56193 66761 38384
31813 07703 16636 62568 92707 41632 81518 02885 72560 25892
96048 83007 17054 00487 93236 07891 25555 10176 11505 17775
14854 91919 75668 11804 31051 03047 81520 89728 51768 01079
38727 85094 45888 11163 51695 88385 82992 42023 43138 83539
09702 36403 49982 46284 35090 66903 46339 77719 92379 13175
73211 71604 69078 81393 79623 38757 22777 51961 04867 37034
24764 66366 56544 80308 98674 89135 64106 24888 46332 05829
12559 56811 77994 43006 86036 98305 00000

9923/7369/5341 kHz, 21-07/22-07, 0800/0810/0820 UTC

11100 00000 26598 18099 00879
12844 94870 78089 00653 76023 41654 18697 98375 44225 11358
64491 82766 88488 70282 77512 91734 11902 76616 37455 42475
69079 21572 66076 47266 13861 11629 57170 57084 86169 46576
85545 00252 73971 73053 93448 08279 11265 18252 77856 46111
98045 33496 27097 88954 53181 02361 80214 12865 36136 93036
07531 91305 98475 59616 35835 14840 51098 21998 66641 76160
58125 79083 60941 87635 93389 34972 88914 23566 20457 42825
68001 04334 82124 96094 37800 64628 10327 21804 45220 72956
92384 55565 38321 94592 54550 99085 00000

9923/7369/5341 kHz, 28-07/29-07, 0800/0810/0820 UTC

11100 00000 21598 25001 01259
41329 23604 01081 76143 00597 47388 23164 31932 54358 30057
04520 72438 93775 52874 53796 27488 75953 16279 22775 78925
99738 37635 88868 41811 55449 18602 85749 86338 78211 30585
24318 11414 59597 91675 71182 05830 97254 33544 76860 57974
87208 81706 70856 00020 88531 97607 65834 97510 15056 55955
38058 20308 33835 55758 76280 55813 75020 88473 16290 50420
82858 11740 03279 90122 62488 02099 49234 56220 02222 85170
77537 17062 76004 66696 71958 41760 55741 12911 72226 46815
88165 53651 83378 11588 15956 06680 91061 23557 47771 46611
99973 39299 06902 66925 37646 72129 13223 08476 90740 42342
78131 52938 66051 50978 17169 04643 93408 63077 09992 09220
12655 11327 62407 82499 11900 56074 50142 48102 09226 62608
49032 07161 95039 01123 00000

6957/9425/11611 kHz, 09-07, 0930/0940/0950 UTC

11100 00000 12345 09006 03029
14051 80962 72822 40650 57387 29012 51460 33501 58528 12018
17347 38980 75057 84763 53745 95164 81123 11820 27625 32471
81719 57673 34057 64423 10257 93364 23144 91012 89133 18065
01643 75600 57973 19025 26496 81281 99227 18352 32431 77673
15838 80032 60841 54038 40621 75649 82116 99703 82090 32227
28619 37690 36394 10644 80497 22517 20039 88046 71508 38090
03119 42709 07061 56633 47708 64768 11638 44592 81125 41274
47817 26444 58741 89000 74046 42359 96029 33439 33389 60645
74544 57428 90398 30915 51504 67845 58344 88915 27688 53803
83939 48950 53305 34789 81784 44844 76555 22183 35708 05375
64541 42591 09179 75114 51238 96429 32000 16625 92199 50211
55451 54931 30688 85946 93077 50219 04920 56121 89314 09699
51112 17673 83127 74558 82015 43414 58860 42955 45625 34325
01477 14984 93750 81176 98389 70547 15144 48890 55050 16082
12859 82106 16504 61063 30539 55367 12083 10238 57320 16376
65436 82512 66031 95757 37080 92440 64384 81753 91643 55251
63841 83310 07029 01337 95841 29968 67633 11168 30085 82014
08859 06538 74548 49325 05060 59109 61928 42337 18154 02171
52201 03579 49052 56561 05979 93219 59113 06687 08358 27044
53804 87578 47938 90318 45758 68914 80713 75965 39409 46963
33500 20497 04400 80362 26621 36135 29946 30696 20497 62567
77344 93778 15867 86760 72815 32616 62299 04286 07858 47949
54695 20580 39324 47347 22466 15590 06375 98758 41078 20230
06526 79484 20641 78094 97959 56491 51241 90862 20299 59015
09699 70831 51018 29385 57437 49014 39691 63006 84150 12245
87257 73441 76968 67721 62498 43530 19785 58430 72899 48474
52461 77886 32106 61843 44570 57627 91137 80416 63388 25898
25571 28820 40802 60964 95852 29877 68842 87495 22959 51628
78503 89447 46568 66941 81561 37888 57933 86660 80068 57205
24666 52229 73199 78121 49585 98716 16166 50978 30846 24200
06300 00000

5913/7992/10687 kHz, 12-07, 1750/1800/1810 UTC. Wrong asymmetric -500/+160Hz FSK

11100 00000 12345 12011 03029
46061 30028 92228 53078 21640 86311 45572 79335 50119 12230
80578 20391 80346 62253 95741 74458 07088 03649 69555 19823
25834 09244 18098 71515 59961 12017 61698 83410 14953 94930
67881 31668 39357 14462 62753 40459 97163 81257 28049 35911
81299 46365 26002 39225 22930 66453 19235 34873 76235 46487
77856 74847 83374 83272 90959 04871 49309 58327 24689 23525
81173 53492 94093 10219 71889 87747 40921 82947 32703 98649
34567 71776 04338 16835 38356 18975 01443 07035 08332 41761
70036 74021 16769 18568 62620 56938 17569 84795 60659 60449
95740 48963 99111 96135 68154 65216 72696 32589 27745 23111
28589 77633 48367 40629 75225 41109 92479 71348 61917 51663
88849 61711 08939 25986 72460 19332 92806 13920 03822 78267
16412 67882 09851 72213 18708 10055 13537 51533 03633 95751
44550 05078 92961 96421 48000 72732 32771 50716 33528 59614
08198 57063 31919 87877 46201 06178 51414 47048 10981 76957
50926 28831 21779 44188 72329 57326 47713 71507 99029 50602
59364 88062 32975 74538 41778 72285 07331 74907 98590 91251
76967 98602 01944 69023 53983 39973 67895 82454 80424 73191
62005 07857 55403 56590 64785 66990 58799 19914 51691 45814
38729 70418 67367 84410 54971 78746 98803 61561 95537 30542
77117 22369 08577 54708 62623 22396 16797 64274 92905 86738
06597 70793 98552 07484 09087 58212 16268 27978 15195 27152
54019 87355 92049 45540 87933 23751 92800 66518 95619 59647
77109 99584 55594 17789 84446 45888 67521 41093 27429 33622
72928 15013 97352 14454 81108 15768 99121 06928 29878 32900
57765 97778 35885 39578 63712 37088 14166 09097 49040 88231
71615 01004 11849 18547 04077 65290 30981 41661 51731 38092

38259 47416 92474 27325 40422 80330 77972 11702 07969 52529
42076 01568 73068 02094 36291 34988 03757 32745 71980 07526
46577 95826 73998 59152 54869 00502 75435 66717 44896 63108
11300 00000

Link 10053

20475/18183/16319 kHz, 01-07, 1650/1700/1710 UTC

11166 10053 32147 01001 00049 00000 00000 00000 00000

20475/18183/16319 kHz, 08-07, 1650/1700/1710 UTC

11166 10053 74523 08001 00049 00000 00000 00000 00000

20475/18183/16319 kHz, 15-07, 1650/1700/1710 UTC

11166 10053 82456 15001 00049 00000 00000 00000 00000

20475/18183/16319 kHz, 22-07, 1650/1700/1710 UTC

11166 10053 14753 22001 00049 00000 00000 00000 00000

20475/18183/16319 kHz, 29-07, 1650/1700/1710 UTC

11166 10053 74523 29001 00049 00000 00000 00000 00000

20988/18187/16169 kHz, 06-07, 1530/1540/1550 UTC

11166 10053 15948 06001 00049 00000 00000 00000 00000

20988/18187/16169 kHz, 13-07, 1530/1540/1550 UTC

11166 10053 57913 13001 00049 00000 00000 00000 00000

20988/18187/16169 kHz, 20-07, 1530/1540/1550 UTC

11166 10053 45732 20001 00049 00000 00000 00000 00000

20988/18187/16169 kHz, 27-07, 1530/1540/1550 UTC

Too weak to decode

Link 60070

13971/11127/20211 kHz, 01-07, 0030/0040/0050 UTC

11166 60070 15487 01001 00049 00000 00000 00000 00000

13971/11127/20211 kHz, 08m-07, 0030/0040/0050 UTC

Too weak to copy

13971/11127/20211 kHz, 15-07, 0030/0040/0050 UTC

11166 60070 15487 15001 00049 00000 00000 00000 00000

13971/11127/20211 kHz, 22-07, 0030/0040/0050 UTC

11166 60070 13579 22001 00049 00000 00000 00000 00000

13971/11127/20211 kHz, 29-07, 0030/0040/0050 UTC

11166 60070 25813 29078 00049 00000 00000 00000 00000

Link 70059

10538/8107/6791 kHz, 07-07, 0400/0410/0420 UTC

11166 70059 15948 07001 00049 00000 00000 00000 00000

10538/8107/6791 kHz, 21-07, 0400/0410/0420 UTC

11166 70059 95184 21001 00049 00000 00000 00000 00000

11159/9188/7669 kHz, 01-07, 0700/0710/0720 UTC**10629/8138/6774 kHz, 01-07, 1200/1210/1220 UTC**

11166 70202 23568 30070 01639

16939 39229 58107 10847 97369 24490 59608 92676 69832 61883
 14461 68775 71505 36207 16161 29153 40107 49406 16210 15180
 76804 53870 84338 89457 39296 36604 23128 77650 94760 02720
 79205 93246 87358 31679 18216 81143 99963 04730 55748 41042
 14833 26969 61406 16541 02875 92475 78212 60910 96232 65942
 24530 15451 23847 79252 70691 61393 14697 66436 07523 31268
 98402 85440 48954 90686 57885 00155 35890 26473 13754 21125
 33542 02072 45130 28404 39412 66191 76576 24960 44096 25593
 85833 94092 12114 17993 12035 59289 74945 45987 69113 69964
 53465 57954 94054 61509 51947 86867 84707 63099 90852 82954
 06843 51690 70566 01146 75116 75648 83280 29237 37668 96440
 15214 67720 19004 21833 06340 97209 00879 29027 59835 94400
 45846 01181 18414 82503 93177 25738 49744 27087 81828 28021
 08141 13272 80146 38503 64707 65203 26997 17225 23127 93752
 14017 83761 63283 83374 63653 26203 79902 54065 82698 87575
 08405 59354 96003 53139 55139 06270 90047 87001 74218 08211
 21061 70161 00000

11166 70202 95741 30071 01759

27521 68179 98772 72344 88768 66372 20111 83949 36495 79194
 83582 40200 22660 86824 67008 89843 64219 15137 80196 59143
 53595 06784 14130 66567 75881 25984 58614 79767 37477 20419
 05565 00778 35827 88719 80129 90371 24969 26935 66829 67518
 56571 52456 22910 44880 01137 28815 96078 86270 79080 39795
 88835 97033 56351 86309 36565 83261 84293 04450 91585 40809
 88435 28183 30351 60017 35892 45107 25973 57106 36063 18705
 53272 68166 54328 75551 18530 66674 43408 80889 31142 90496
 22097 51027 59345 89290 56041 75989 37219 28260 20258 50857
 15148 09193 48079 39239 70915 94724 96209 17309 23647 46758
 80583 71845 17757 14983 62713 50714 69114 36430 91209 89229
 90594 32002 28167 60832 39221 10903 15103 25521 52067 18933
 58128 74472 63124 91548 37050 94297 18309 97662 68086 99356
 30803 85094 74875 05582 43914 63619 47486 44239 93643 86557
 94089 39075 88145 16828 15005 95271 46274 88420 53789 73659
 62395 99212 05071 48623 89654 96065 83804 73132 58897 38153
 85640 99343 75409 49446 93096 28203 60687 96290 07218 86486
 31413 51027 09409 71173 00000

11159/9188/7669 kHz, 02-07, 0700/0715/0730 UTC

File 44472

10629/8138/6774 kHz, 02-07, 1200/1215/1230 UTC

File 44472

11159/9188/7669 kHz, 03-07, 0700/0710/0720 UTC**10629/8138/6774 kHz, 03-07, 1200/1210/1220 UTC**

11166 70202 19485 02073 01859

75051 07264 70941 14829 48895 53049 71276 16410 70693 03276
 87469 17116 45085 90392 03034 15830 48109 77666 24706 73269
 93475 59321 26904 52991 31373 23277 09159 27346 71965 37420
 71238 71806 50794 45354 35624 96112 78259 82552 72039 85676
 40372 48862 03719 51667 42957 98293 00104 13235 16510 32030
 85645 60299 23882 05604 19421 70336 37977 86159 25221 77614
 81673 20765 76827 18301 47117 01681 68147 99895 36620 39556
 22898 68407 92309 80455 23535 71726 06747 27684 64098 42631
 31683 54330 56679 49850 27149 17465 46183 90641 18071 09945
 13082 23296 50580 10750 68842 63041 65230 19786 73721 89739
 29287 88108 31603 40858 95294 79487 41583 88121 78094 24257
 10974 21290 67490 51391 59426 87516 18746 09737 68847 59694
 88096 14348 58811 32251 05482 78847 92144 67829 01653 19774
 40372 43267 31882 43823 63718 68350 63425 53954 85340 75741

18951 35264 64496 05549 93111 06598 98316 32954 84448 48814
06883 12346 09810 45644 81294 36401 93482 98093 99407 33533
48220 98312 38938 52167 90340 73876 42620 05266 56112 38414
15099 73541 11578 09522 56245 90805 73035 79901 60594 59879
80350 52652 37574 73183 00000

11166 70202 20479 02074 01719
44960 10056 69688 25282 48622 08328 27568 80750 23807 10864
60327 80014 72742 95092 61539 98035 80763 15295 15664 97426
37469 77153 14575 29811 37277 09284 58940 61499 01566 42671
99163 96924 89577 33952 95556 98259 90284 93487 02437 24673
12396 04155 05846 39647 14698 41800 69561 59796 43918 33289
69098 43635 72285 13093 18392 43716 52000 64346 18834 70594
28770 55318 85369 42033 81629 07223 29325 15912 81204 54325
02667 30262 83632 82264 33370 98859 02307 55539 06591 35832
24640 70083 71320 07706 66045 91890 77226 36323 78294 67600
71347 01089 54477 17998 09340 13959 97712 50361 60971 65631
45831 50593 14524 66352 69194 41080 09832 29807 83845 15204
54597 73494 47187 84455 03714 34060 28355 99082 06252 20997
70495 28214 49817 57169 87121 10387 56953 79586 59739 10426
13286 98867 28928 43608 32089 40843 96069 53049 84973 18709
77907 51251 53364 09198 81125 61743 80475 31183 89133 21766
28454 50168 78247 31917 70395 57087 05452 63723 71898 94858
34935 61038 41872 31138 95571 96248 57253 00694 86562 74169
00000

11159/9188/7669 kHz, 04-07, 0700/0710/0720 UTC

11166 70202 23568 03066 00049 00000 00000 00000 00000

11159/9188/7669 kHz, 07-07, 0700/0715/0730 UTC File 44475

10629/8138/6774 kHz, 07-07, 1200/1215/1230 UTC File 44475

11159/9188/7669 kHz, 08-07, 0700/0710/0720 UTC

10629/8138/6774 kHz, 08-07, 1200/1210/1220 UTC

11166 70202 25698 07076 01739
74861 63524 30775 69052 07309 41643 97156 61851 85414 51074
80532 68314 08125 29009 54129 65976 95119 08876 35267 67292
12951 19803 26394 43561 88393 22107 36294 49719 26190 64758
11165 98459 73369 75755 30236 57098 97346 21350 45632 65634
69973 95050 71163 99442 74733 22355 49726 25024 79269 92139
54002 22270 40433 50651 00152 71661 34039 19024 79175 29847
26512 20278 35651 42041 30621 26729 48504 64674 12479 63736
93534 96734 41997 30744 92354 43238 03994 25544 77451 59262
12123 82694 28040 47993 92832 62042 56413 11204 31522 48276
49463 75613 98098 47452 95066 43569 94115 91431 48021 41476
88678 86170 15219 64417 35311 64783 64749 40411 86958 31338
88610 62721 51335 06309 73723 63687 53780 09630 60936 28484
99825 42275 96703 72260 54658 52322 07124 29107 81662 96415
49036 26260 07235 32588 17850 42010 04053 05360 16801 70734
09993 09060 17322 43494 24872 40315 65211 77641 52219 75626
12295 53861 78244 34993 78258 44094 05212 17493 72347 38779
81383 19792 29614 46847 94744 73484 41406 66903 22674 62226
84777 76171 00000

11166 70202 78561 07077 01979
38001 61754 18818 64881 70232 53719 87654 29026 65272 73062
67882 61692 56068 13505 48004 79887 75101 49630 36856 82347
63874 03091 88373 42156 79767 95627 60456 69772 54943 62345
75087 82415 86990 23679 71918 40723 65991 39490 72497 38641
67704 93727 97327 57470 67551 83095 02947 20007 55081 08156
31212 05728 53625 90320 87979 12939 74803 63149 93369 78835
62584 11409 70797 93417 06588 56317 66962 68181 29310 10426
19980 45539 76959 50558 17849 59892 68599 82257 14435 86312

83274 94175 95166 37751 89812 25844 09618 96719 48994 97248
13177 92386 42768 73678 84986 59017 10208 64246 14340 36699
94893 77549 72717 00293 33406 82895 13660 27539 39623 50528
67662 42268 64503 69299 24267 93638 36047 65214 18561 57355
09116 69301 64250 69790 79810 08227 00503 30960 44079 16107
44751 37278 05259 90946 68636 30039 60224 44146 39292 70555
18841 16510 93132 77900 36402 59196 34367 90175 63751 03049
75391 35262 44755 64742 61275 21972 15837 63183 45507 87554
87242 44600 09208 62485 10737 39764 40978 38476 63409 01779
19585 50648 02286 97865 66665 09799 69417 53602 61637 45709
52162 73027 36006 47420 28313 83073 89249 11418 50786 75744
93475 33670 51549 46492 79037 77195 00000

11159/9188/7669 kHz, 09-07, 0700/0715/0730 UTC File 44478
10629/8138/6774 kHz, 09-07, 1200/1215/1230 UTC File 44478

11159/9188/7669 kHz, 10-07, 0700/0710/0720 UTC
10629/8138/6774 kHz, 10-07, 1200/1210/1220 UTC

11166 70202 68371 09079 01579
54973 94763 03181 51225 39334 34751 88483 76731 22645 34412
23310 38437 93955 29391 12906 72710 60769 60510 52860 89895
11788 31208 35054 97812 03181 82658 41993 67159 54331 16250
77948 80993 63993 18110 10362 35479 82796 65380 19935 84099
03031 18909 82848 42507 51663 32054 33553 96207 97505 30298
81557 78262 08485 41338 80659 09205 19948 80361 74059 16340
99939 20183 63787 74632 22388 00926 77882 36367 84139 58951
33768 41762 26782 79705 21253 27724 49183 04187 53598 76940
21696 43705 60090 74494 37959 82640 18554 64172 65231 73866
51245 21684 79201 56543 32561 86951 94206 50964 81998 22677
24798 10129 40813 91356 39590 32758 55796 67950 93338 67406
18633 30378 48172 62390 34245 95032 19925 41188 16596 89507
10502 08033 35355 79712 12222 13356 61895 93575 95063 33787
88030 08508 12766 46391 15958 94834 88707 01832 42814 32366
67515 26146 88312 42297 43328 05822 38875 01633 00660 35864
06707 32318 28796 35535 27255 79155 00000

11166 70202 16389 09080 02059
17533 14766 61640 97828 04164 69486 22662 37961 69709 70355
36363 71527 54137 32035 25160 31082 97647 17601 89853 22763
16538 11654 43956 41636 98714 91581 38726 40660 67252 39144
89879 07954 85470 59588 41885 32046 01947 00462 30800 59805
58908 87327 31581 76730 12440 18557 00802 64294 37947 86388
50716 14025 19312 16457 15615 03009 45173 42949 96396 60516
60779 61607 94299 80418 48836 27742 69739 59095 37808 91454
87168 63523 61085 87259 31925 59222 15481 20280 09973 52753
92466 16221 66505 28456 80615 27291 84326 84114 62661 11279
47955 95227 55632 25951 84391 62590 67481 05981 16479 22858
68668 14571 89802 26787 02109 86983 59061 14839 79948 08142
44849 44834 40590 91508 96780 51350 64402 51420 23906 41533
71576 86058 78352 57037 50528 13267 03112 56753 90318 26374
79943 00033 15511 62231 38298 35083 46906 98645 11221 22230
36593 23387 49168 46727 50760 41976 27661 00808 98687 16419
09733 39656 31379 52092 49098 41001 58248 74957 44980 23002
55324 66300 84535 00128 63383 47166 33814 81709 99468 29704
63196 42859 30226 77577 18231 22434 80485 42660 71830 27746
75549 70176 18746 50689 40591 89493 98266 24989 05637 32741
56077 79244 89536 48454 81218 65465 61393 02422 79075 67777
02853 82930 66342 80203 00000

11159/9188/7669 kHz, 11-07, 0700/0710/0720 UTC
11100 70202 85941 11165 00049 00000 00000 00000 00000

11159/9188/7669 kHz, 14-07, 0700/0715/0730 UTC File 44481
10629/8138/6774 kHz, 14-07, 1200/1215/1230 UTC File 44481

11159/9188/7669 kHz, 15-07, 0700/0710/0720 UTC
10629/8138/6774 kHz, 15-07, 1200/1210/1220 UTC

11166 70202 16328 14082 01519
22597 14578 31446 42021 58232 41719 25165 66605 90685 99608
32472 91171 47339 20251 63854 95484 38609 88704 84523 80179
15602 75133 93409 55506 82563 40775 71787 78208 50044 47539
49972 78741 39727 25890 65513 46004 76855 80724 11337 61788
31191 39930 97259 02107 92447 75297 73325 47618 91136 50489
88388 70310 00757 75746 82398 88652 82269 74018 35804 08378
56799 88210 24527 91107 17494 84225 53943 17996 16478 29503
70303 40573 87846 51724 73025 35991 92632 07388 76315 08850
96676 14933 93534 06789 17352 32099 42760 42040 00072 82219
96971 36123 10519 59117 27311 29877 53539 65307 12839 26001
54623 63190 15235 56315 64937 43915 41883 90907 75812 43609
45761 31366 53654 61660 35594 55275 31196 60732 94696 04180
16037 53208 31940 32185 02403 03754 13293 57388 97070 02667
47361 83336 95383 89731 23367 82684 68310 33237 25014 60253
46466 93861 68662 37662 12058 28113 39262 26744 34660 82149
00000

11166 70202 21496 14083 02079
04761 44550 93949 77111 18291 98827 38609 67444 08551 60187
81153 86149 68223 70436 97591 23107 70904 93526 62540 00702
49979 78684 08624 89540 70954 90818 22285 06295 14436 94164
05726 42117 11937 00075 59633 95053 01708 14918 66406 04900
96774 49002 78549 13942 82363 72486 41933 02005 84917 29182
08611 69258 79878 44220 18860 65219 30424 86495 57164 87373
74353 71831 11797 97872 01301 17810 92716 31727 87472 86196
87436 94947 80086 73901 59587 76063 48712 38414 19826 19453
45687 68642 23807 33933 42806 37108 76889 35037 36464 94422
50264 44426 38452 91983 38204 94857 94569 43836 11105 14170
98275 63629 44022 86695 91530 37607 25380 15568 70041 19575
75543 34327 35087 58771 29943 41294 59111 96592 66439 55134
57276 93102 81604 15036 82157 69257 45628 73978 83771 75798
90520 58483 02124 24743 11297 93316 84464 44403 84848 14571
44434 43886 36172 19562 05302 97993 06646 26976 94456 88482
04050 45711 81373 62602 39012 75852 76211 94850 77563 90203
31248 62903 64494 69830 12335 73626 97206 92042 32556 00138
54731 94253 65287 15827 11614 62159 78828 36297 91353 15672
59816 05149 39075 91035 17582 84549 18131 42586 86665 36526
60314 12564 69653 05919 24373 42439 87538 40933 42513 24171
29789 12220 59575 14856 21308 83205 00000

11159/9188/7669 kHz, 16-07, 0700/0715/0730 UTC File 44484
10629/8138/6774 kHz, 16-07, 1200/1215/1230 UTC File 44484

10629/8138/6774 kHz, 17-07, 1200/1210/1220 UTC

11166 70202 20436 16085 01379
15873 85461 05927 77413 38479 76173 22374 46663 82598 00074
28231 56844 83583 83425 77243 63864 31886 08044 01321 16401
91575 72671 61136 27675 52946 24757 48792 07473 86395 98582
22202 52865 89753 20681 75915 21054 46264 68468 78052 32780
35389 93046 28031 79739 63641 42089 14792 34447 07620 43780
80194 85963 86437 37707 17280 49953 05738 63680 58079 26490
40473 44389 30665 04055 48647 22849 90124 33160 33193 40566
53151 18048 94196 67369 90932 99881 38624 18834 60025 29887
39769 22241 75914 55869 63586 17011 58926 70547 04115 00550
07196 95140 95158 55438 76374 96647 90438 18907 70759 62255
29381 80539 75539 79312 30736 19126 84842 94308 81223 14624
05267 49293 11379 96147 39592 19174 75794 11938 80351 98333

79949 32228 67955 09995 20799 20974 93057 36785 33330 37360
47835 95923 60254 53025 55897 85135 00000

11166 70202 41308 16086 02199
86141 68044 24676 98640 23471 52691 99143 33277 38923 95097
05947 86378 25921 67921 11095 76534 95169 88431 94651 47691
59535 61660 60274 85598 60043 29132 72589 73415 87670 96588
89579 22425 80632 39162 82186 38767 01839 07417 58298 12161
26222 82724 33331 37523 92606 55373 14568 05446 99821 23884
91460 22451 51741 38947 49081 46971 80933 40430 46894 51990
05614 60884 30057 50279 99581 93998 65423 43176 79840 51427
19443 78823 41578 56435 20144 30828 95189 47804 70380 33267
85054 92414 04544 32972 94723 29975 05912 45043 68230 98304
26838 22523 02198 12625 78948 76158 88435 97289 85557 05215
11713 93400 13473 25245 32391 90731 26382 03781 08611 57409
27007 39867 37721 65789 80224 48381 21623 37955 34319 35076
85737 59287 82573 73283 06268 33535 32383 18214 25456 77830
74071 19793 59503 81080 66597 19969 28872 74173 82355 45432
65620 85446 78235 31680 77486 79836 85143 39370 73394 05160
33165 48892 80074 93970 54566 44103 04483 94404 31805 21159
21712 28481 82757 83381 93073 01270 00336 08099 44048 09387
88687 96393 56783 22236 63164 41702 56829 34444 06250 78192
98805 12925 96629 94878 80673 87010 53596 26376 41312 55084
63968 56271 21089 06161 83724 94016 90095 79835 31524 11304
73755 13058 16313 48842 30475 47160 66205 29490 61040 93567
50807 38665 54436 81648 14202 57984 99776 86217 00000

11159/9188/7669 kHz, 18-07, 0700/0710/0720 UTC

11166 70202 95428 18058 00049 00000 00000 00000 00000

11159/9188/7669 kHz, 21-07, 0700/0715/0730 UTC File 44487

10629/8138/6774 kHz, 21-07, 1200/1215/1230 UTC File 44487

11159/9188/7669 kHz, 22-07, 0700/0710/0720 UTC

10629/8138/6774 kHz, 22-07, 1200/1210/1220 UTC

11166 70202 20167 21088 01359
57794 69704 36964 89933 53902 73067 09194 34710 28640 64624
74184 85053 54087 94395 05158 97672 41788 35121 15884 66787
64671 35597 46127 45093 30627 32320 38588 22249 43680 99107
05797 53066 13708 39408 10379 52596 00613 50965 07137 00301
03924 17533 20391 20490 33738 07337 55007 31215 23942 82950
64552 78809 73662 52293 25024 00264 27877 15423 87573 80610
33121 86825 08681 97529 29228 97869 81196 70335 63043 09129
14713 55557 35053 87261 38681 56277 14851 26116 26717 37439
86399 16774 65548 64287 09013 96196 17013 06152 04990 29182
46574 72739 09857 03300 16768 75142 46140 41511 69032 28737
06614 62146 42358 40163 57950 40934 02184 45577 00731 54772
77990 92357 46728 11919 33020 81460 99422 98302 14564 12600
48670 94629 58254 99453 15475 43977 44793 47074 07791 74570
32567 08695 73302 88133 00000

11166 70202 12678 21089 02179
27855 12998 56863 24124 10836 75270 70997 38216 46350 17869
07864 35567 66475 26648 99056 60748 02047 70698 39622 11914
33457 75098 45545 96994 15377 63285 59386 30618 05102 17504
46243 82685 49184 30749 47238 14549 08065 48655 82711 63718
23374 24765 22305 63048 57602 37613 64131 05329 60812 43062
90216 89230 44100 60332 90387 07527 64473 15161 71820 63544
50847 88524 96404 26772 25840 44368 13141 63569 03056 34775
77733 03907 64547 06017 76589 30078 48136 53914 97387 98331
99287 01961 13428 29336 67222 00631 73928 28441 49954 71317
17476 21658 17942 43340 50801 18298 71040 57455 60076 36212
08443 34302 46920 50564 16292 31240 06301 52075 02665 35988

88509 25682 34598 70527 12417 85538 56861 03696 22179 27304
97146 95902 04592 83658 87378 24421 09272 93969 55821 62674
38862 24066 69673 11971 01442 97038 32844 09115 42335 21019
68586 58333 97493 24868 41683 60956 35657 37707 99872 41292
81466 73243 39195 92127 36722 04807 22965 88296 41972 42057
09025 41751 45629 45284 65005 96576 72780 38240 76252 87382
10901 05453 76115 09512 54651 84939 53295 74503 76937 92276
15920 49247 18429 36950 17054 02265 12729 16926 71318 05560
89368 02391 17310 65474 21821 44579 05513 80978 12729 70640
16377 52847 33519 50480 38276 92149 60605 46509 59997 01491
75354 82242 57481 27452 20016 89215 00000

11159/9188/7669 kHz, 23-07, 0700/0715/0730 UTC File 44490
10629/8138/6774 kHz, 23-07, 1200/1215/1230 UTC File 44490

11159/9188/7669 kHz, 24-07, 0700/0710/0720 UTC
10629/8138/6774 kHz, 24-07, 1200/1210/1220 UTC

11166 70202 32157 23091 01539
59558 41402 98993 63610 68916 26333 91596 52583 74740 16007
21542 04239 12870 56978 33396 75363 12033 91890 10375 07012
77387 20922 00316 48113 77281 79341 22215 81902 44174 85866
26765 22375 25657 41512 09345 72947 46504 83608 98869 64515
67705 24691 70978 15086 53398 30934 58960 78188 81655 19826
60878 72238 60055 81769 66320 08045 31972 55296 51218 56650
84532 10580 14172 24694 94162 20940 52706 29473 70674 27018
02923 90912 85827 23322 90947 82602 97292 21819 69655 09111
03972 72263 39064 01761 93595 43955 73872 50038 68552 98609
06560 10841 60867 09028 39486 62745 72288 03257 84439 97480
00399 38921 53059 65796 36712 37424 46575 19910 47667 32697
18302 19730 74476 14180 07324 95030 12763 68744 66810 80770
57908 51210 35394 67750 27074 38179 25059 35785 93811 44846
23964 61577 96212 09492 37646 18499 04527 75335 17047 10446
59195 24443 46781 06958 15229 43367 92109 71808 53872 25217
28030 91151 00000

11166 70202 65487 23092 01619
97525 95399 11601 98871 52009 53997 32274 24551 11400 03087
24250 46266 75173 27915 28094 13511 99071 23574 76172 47655
62675 26607 19448 19699 76914 46332 52815 20699 54963 13048
24914 54562 94946 85328 43341 07891 47907 83589 11223 76555
69453 42107 56060 53709 78548 96678 36809 08906 71854 50127
40109 13017 67089 82811 01618 88643 73818 00352 13379 90701
15132 35747 03159 46870 48630 48077 96697 12586 60174 84969
98809 20286 28812 01026 54260 27566 86351 49396 74374 93959
19987 88678 40303 41015 91429 72343 18885 75357 70994 12862
52042 79431 10044 37730 05657 99606 00265 79579 88844 86333
93192 67546 79592 66032 78427 12107 17663 49414 43980 00558
50738 05918 67185 45320 44713 58934 09612 52271 94088 81536
14427 01283 93404 97372 29629 56144 55638 16424 05598 46084
88520 60323 40406 86045 64691 56898 71314 27926 46648 08648
35895 59964 52412 64834 51231 96453 72855 51869 84610 24976
76629 41692 14163 03346 63623 62823 02879 23447 52897 92159
00000

11159/9188/7669 kHz, 25-07, 0700/0710/0720 UTC
11166 70202 68719 24091 00049 00000 00000 00000 00000 (wrong date)

11159/9188/7669 kHz, 28-07, 0700/0715/0730 UTC File 44493
10629/8138/6774 kHz, 28-07, 1200/1215/1230 UTC File 44493

11159/9188/7669 kHz, 29-07, 0700/0710/0720 UTC

10629/8138/6774 kHz, 29-07, 1200/1210/1220 UTC

11166 70202 28167 28094 01479

74881 72734 74631 38590 12412 85008 57064 45807 72521 49315
15624 15071 57693 52154 28304 38751 16866 48651 97844 41181
99801 03121 98341 30404 09595 20364 75454 18000 95511 78620
54924 80396 53350 00118 39072 60141 25507 20156 95983 30540
17941 40670 71045 72116 76213 79194 75539 34325 87806 49180
31974 80954 02887 32599 80842 42660 90727 30763 78487 25065
73948 04312 40777 45862 07787 38293 12261 99359 96569 93279
65507 71902 64580 28460 60297 56616 23510 07635 17377 40897
03678 24071 86442 65098 41203 05126 13057 75847 38332 82609
34167 22421 39089 39796 56943 69634 87445 71038 00583 25667
60205 14914 05807 08263 91773 46851 41717 97757 33018 42152
64692 50348 11391 45380 09041 70065 84512 07018 14064 62863
04401 73353 17239 21285 34526 40531 68205 13127 86894 08692
43233 72547 71333 97156 64870 17051 74167 06574 56455 38790
08485 38983 86175 43625 03171 94145 00000

11166 70202 92678 28095 01999

51794 55873 28370 98456 47392 11939 95851 55541 50624 14316
24679 13568 56205 49450 86400 01936 44413 60113 76784 84033
29911 83264 73868 91235 50510 87619 94545 49585 19310 28111
35624 28834 88660 59432 10291 68536 99373 75852 15936 60879
13626 69481 94243 94937 54995 24191 69527 92045 04053 87357
76204 86968 22976 86630 11383 34558 07586 83905 73478 46591
90273 83690 72801 88463 42238 38057 25059 90444 48485 15361
63700 53158 54006 24916 32053 51998 04599 14818 41172 70155
30741 85095 04363 14944 47980 83384 84287 97114 72258 75304
13617 77850 73616 06738 75151 13114 16715 00182 52347 50057
61609 52376 86204 55167 23218 25384 99420 78827 12915 48322
73783 86007 10695 71919 91716 07742 41337 43092 77921 93102
53012 91735 02060 66348 21770 46899 28402 18933 30341 24555
23396 91064 94691 54121 57068 22511 36775 35960 59226 77319
26903 47006 16373 72159 44195 36731 20285 62957 28522 80634
04186 69531 22392 83429 27464 42885 26225 49133 94847 04884
15428 60235 21004 14967 92739 33134 76475 43604 74255 42033
75911 57178 32587 28483 94513 43979 45587 38749 23648 36000
24074 56204 01547 06221 17009 20932 80054 46069 17535 53711
13343 52742 18350 26597 79533 81078 89821 95197 00000

11552/9461/7844 kHz, 29-07, 1400/1415/1430 UTC

Files 44497 (binary contents, empty text header) and 44498 (binary contents, empty text header)

11552/9461/7844 kHz, 30-07, 1400/1415/1430 UTC

11166 70202 24691 30036 00049 74861 63524 30875 00000

11159/9188/7669 kHz, 30-07, 0700/0715/0730 UTC

File 44401 (off at 0710z for 28sec)

10629/8138/6774 kHz, 30-07, 1200/1215/1230 UTC

File 44401

11159/9188/7669 kHz, 31-07, 0700/0710/0720 UTC

10629/8138/6774 kHz, 31-07, 1200/1210/1220 UTC

11166 70202 46257 30002 02039

43943 30176 50401 74769 27617 45726 24899 85198 40449 68314
04868 94710 08916 77948 03514 10134 46122 10058 22464 37042
42132 00868 47416 01754 92668 24679 03262 70681 14640 65219
79609 21741 21909 88269 62672 47491 59764 07751 34427 94703
21516 62447 25001 70045 95653 45567 29218 66563 17015 54320
23248 90655 20392 51707 42276 94216 20019 57697 05167 41647
63370 11989 97016 66419 32722 75547 45569 96875 92898 63087
52408 55948 08646 23713 64877 64506 80079 11878 99653 02991
69626 15871 53928 11039 18920 36013 65115 29795 79059 29740
05033 16572 02702 65769 19499 86571 71391 54544 49275 61336

56597 47124 93284 28638 37862 19726 00071 43464 26536 86096
98399 24821 68496 04903 02970 28011 24324 74330 56154 97099
50347 31079 91712 27232 29009 95933 31420 91510 21987 33111
50534 12104 44499 15562 73058 80289 84249 13413 82717 55099
13429 47752 60600 95275 67225 76920 85399 04209 87275 07516
57179 92554 53497 47299 30626 88214 52730 42167 68703 48363
57640 64409 52656 53217 14309 44412 09296 86231 61957 63014
41516 30405 33227 46687 72964 35386 08477 32742 42806 35077
22510 96738 11536 20396 47189 59294 63751 96919 98362 14467
18839 82069 40546 46912 85510 21531 87790 30003 21126 29608
24195 02201 00000

11166 70202 91487 30003 02239
69088 61553 85194 36568 17225 54118 04978 08084 76766 56462
14027 10562 28349 75463 40155 25232 63927 74969 97988 77153
43456 02967 43552 01894 96982 45800 64104 88457 08087 89123
01670 90688 39611 90287 33693 24306 87607 91829 59266 91776
74445 30772 64356 02208 17022 23407 64475 78442 31000 30252
48226 68558 57024 30877 70172 03935 19848 63277 66453 71103
56302 07483 91594 89547 73054 18100 99948 12648 20091 35460
20203 93961 90853 30074 96381 86018 84981 60067 93804 63827
94581 46302 93412 90272 99973 94852 22917 65599 85850 21536
98194 28160 13778 58180 73386 98624 11985 45320 23111 84833
68375 41004 05255 89479 37697 00399 77764 87813 98816 05891
67876 67553 23019 52355 17227 48192 39283 17292 51284 21884
07478 70514 46526 83100 35385 03069 93811 39246 00532 80092
81388 19416 62721 47267 45954 23485 78245 45593 65232 78722
51680 14137 90486 96104 86221 85458 42411 43527 18497 03408
18838 78100 48779 17964 87702 04714 02557 36815 63698 53050
84384 38369 92054 90257 09953 75868 87892 11444 27329 27315
04574 75188 63284 70877 29496 76273 55662 90474 30769 72796
57718 41226 03201 09871 25368 29449 87045 07097 23289 86896
57935 01987 10797 43917 11446 66538 93455 31238 90726 39134
51342 65033 30639 38967 79907 94996 16824 55169 04376 20076
83167 27835 53615 01584 96061 63129 04421 28347 98936 49662
32139 03221 00000

Link 80214

16127/12229/9958 kHz, 03-07, 1330/1340/1350 UTC

11166 80214 95173 03018 00049 00000 00000 00000 00000

16127/12229/9958 kHz, 10-07, 1330/1340/1350 UTC

11166 80214 42536 09010 00049 00000 00000 00000 00000 (wrong date)

16127/12229/9958 kHz, 17-07, 1330/1340/1350 UTC

11166 80214 53247 17067 00049 00000 00000 00000 00000

16127/12229/9958 kHz, 24-07, 1330/1340/1350 UTC

11166 80214 62481 24031 00049 00000 00000 00000 00000

16127/12229/9958 kHz, 31-07, 1330/1340/1350 UTC

11166 80214 65482 30057 00049 00000 00000 00000 00000. Wrong date

F06a

All files had binary content.

12073/14073/16129 kHz, 02-07/03-07, 0600/0615/0630 UTC	File 44149
12073/14073/16129 kHz, 09-07/10-07, 0600/0615/0630 UTC	File 45450
12073/14073/16129 kHz, 16-07/16-07, 0600/0615/0630 UTC	File 84451
12073/14073/16129 kHz, 23-07/24-07, 0600/0615/0630 UTC	File 46452
12073/14073/16129 kHz, 30-07/31-07, 0600/0615/0630 UTC	File 44953
7871/9491/10165 kHz, 05-07, 0300/0315/ 0330 UTC	File 44423
24462/20811/18593 kHz, 05-07, 1600/1615/1630 UTC	File 44423
7871/9491/10165 kHz, 12-07, 0300/0315/ 0330 UTC	File 44424
24462/20811/18593 kHz, 12-07, 1600/1615/1630 UTC	File 44424. Wrong 670Hz shift
7871/9491/10165 kHz, 19-07, 0300/0315/ 0330 UTC	File 48425
24462/20811/18593 kHz, 19-07, 1600/1615/1630 UTC	File 48425
7871/9491/10165 kHz, 26-07, 0300/0315/ 0330 UTC	File 14426
24462/20811/18593 kHz, 26-07, 1600/1615/1630 UTC	File 14426
15611/14379/13389 kHz, 25-07, 1900/1915/1930 UTC	File 44044
12194/11415/10311 kHz, 26-07, 0600/0615/0630 UTC	File 44044
10687/7992/5913 kHz, 01-07, 0300/0315/0330 UTC	File 44450 (1812 bytes) empty text header
10687/7992/5913 kHz, 02-07, 0300/0315/0330z UTC	Files 44451 (1984 bytes) and 44452 (1616 bytes) empty text headers
11122/9067/6791 kHz, 02-07, 1900/1915/1930 UTC	Files 44451 (1984 bytes) and 44452 (1616 bytes) empty text headers
10687/7992/5913 kHz, 03-07, 0300/0315/0330 UTC	File 44453 (1281 bytes) empty text header
10687/7992/5913 kHz, 04-07, 0300/0315/0330z UTC	~5m TX (waterfall only)
11122/9067/6791 kHz, 04-07, 1900/1915/1930z UTC	~12m TX (waterfall only)
10687/7992/5913 kHz, 05-07, 0300/0315/0330z UTC	Files 44456 (1985 bytes) and 44457 (1762 bytes) empty text headers
11122/9067/6791 kHz, 05-07, 1900/1915/1930zUTC	Files 44456 (1985 bytes) and 44457 (1762 bytes) empty text headers
10687/7992/5913 kHz, 06-07, 0300/0315/0330z UTC	Files 44458 (1025 bytes) and 44459 (1550 bytes) empty text headers
11122/9067/6791 kHz, 0-07, 1900/1915/1930 UTC	Files 44458 (1025 bytes) and 44459 (1550 bytes) empty text headers
10687/7992/5913 kHz, 08-07, 0300/0315/0330 UTC	File 44460 (1703 bytes) empty text header
10687 kHz,10-07, 0303 UTC, F06	1 block, 1 msg starting at block #7 (misformed empty transmission), intermittent modulation for a minute
7992 kHz, 10-07, 0315 UTC, F06	Message. Too weak to decode
5913 kHz, 10-07, 0330 UTC	File 44461 (1851 bytes)
10687/7992/5913 kHz, 12-07, 0300/0315/0330 UTC	Files 44462 (922 bytes) and 44463 (1024 bytes) empty text headers
11122/9067/6791 kHz, 12-07, 1900/1915/1930 UTC	Files 44462 (922 bytes) and 44463 (1024 bytes) empty text headers
10687/7992/5913 kHz, 13-07, 0300/0315/0330 UTC	Files 44464 (819 bytes) and 44465 (1126 bytes) empty text headers
11122/9067/6791 kHz, 13-07, 1900/1915/1930 UTC	Files 44464 (819 bytes) and 44465 (1126 bytes) empty text headers

F07

17436 kHz, 01-07/03-07/08-07/10-07/15-07/17-07/22-07/24-07/29-07/31-07, 2000 UTC
16348 kHz, 01-07/03-07/08-07/10-07/15-07/17-07/22-07/24-07/29-07/31-07, 2020 UTC
15968 kHz, 01-07/03-07/08-07/10-07/15-07/17-07/22-07/24-07/29-07/31-07, 2020 UTC
14852 kHz, 01-07/03-07/08-07/10-07/15-07/17-07/22-07/24-07/29-07/31-07, 2030 UTC
13961 kHz, 01-07/03-07/08-07/10-07/15-07/17-07/22-07/24-07/29-07/31-07, 2040 UTC
13373 kHz, 01-07/03-07/08-07/10-07/15-07/17-07/22-07/24-07/29-07/31-07, 2050 UTC

M42

Ends with CFM NIL SK

Opchat followed by at least two messages to UAL

M42b

NW QSY 02669 QSY 02669 K =

13453 kHz, 11-07, 1136 UTC, FSK 50/500

[illegible]

121746

VVV RDI RDI RDI DE RTK RTK ORK? K

121746

VVV RDI RDI RDI DE RTK RTK ORK 0 ZOR GD K

121746

BK 121

RRO6: Russian Gov. PtP link 360741.

Callup 121744 to RNM6 on 16180 kHz.

Opchat VVV BNM6 DE BBO6 GD ORK0 ORK?

Problems with link setup: VVV RNM6 DE RRQ6 QRK20 HB 1 640 14 10:27 followed by prerecorded PRIWERKA message. After resolving the technical issues again OOK 121744 and confirmation of correct link parameters with RNM6 DE RRQ6 OK ZOR K

KFUJ RTHZD26CAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ
RTHZLQPHKFUJ JTHZLOMQ

[illegible]

RHK6: Russian Gov. PtP link 370741

RVQ: Russian Gov. PtP link 121751.

Start of daily schedule with RAU2 on 5350 kHz:

VVV RAU2 RAU2 RAU2 DE RVQ RVQ QRK?

VVV RAU2 RAU2 RAU2 DE RVQ RVQ QRK 0 ZOR GD K

RVQ: Russian Gov. PtP link 121751. 3rd shift callup to RAU2 on 5350 kHz:

121752 VVV RAU2 RAU2 RAU2 DE RVQ RVQ ORK?

RAZ2: Russian Gov. link 290741.

End of day schedule VVV REA DE RAZ2 ORK0 ORK?.

After reply from REA on 9360 kHz RAZ2 ends daily schedulr with VVV REA DE RAZ2 OK QRK0 ZNN GB SK and goes into F1B 50/500 reversals

RVQ: Russian Gov. PtP link 121753.

Closure of daily schedule: RUH DE RVQ QRK0 ZNN GB SK

$$097\ 100\ 24\ 1230\ 6271 =$$

87492 62982 30722 39315 23289 20150 46517 16931 00168 63860

73600 64366 26551 82380 16179 81664 88067 60083 48150 82646

60089 15314 24976 52886 51014 36842 09810 07394 30277 88115

49618 05981 77331 87860 88370 56375 99675 58563 61500 99537

22229 85946 39878 41973 02386 61029 57619 00378 80681 00686 =50=

73252 78072 74566 32612 04871 92557 06453 36619 58713 41281

70075 38487 23011 79885 95458 34769 35932 86580 89680 81357

36146 87278 08414 05002 75724 13388 57689 64892 84888 00335

86976 60413 87633 25497 40295 54126 07093 96108 28301 83439

23479 83099 65594 32995 75714 31816 39103 82549 36551 93486 =100=
- 1239 k

5800 kHz, 28-07, 0816 UTC, FSK 50/500

RYF2: Russian PTP link 219741 wkg RWI on 8115 kHz

219741 then into OOK and back to FSK 50/500 opchat and closure RWI RWI RWI DE RYF2 RYF2 OK ZNN GB 73 SK

7900 kHz, 28-07, 0830 UTC, FSK 50/500

RNI2: Russian PTP link 121750 opchat and start of the day schedule

RNV 2 RNV2 RNV2 DE RNI2 RNI2 QRK0 ZOR GD K

P07

9368 kHz, 02-07/06-07/09-07/13-07/16-07/20-07/23-07/27-07/30-07, 1400 UTC
8185 kHz, 02-07/06-07/09-07/13-07/16-07/20-07/23-07/27-07/30-07, 1410 UTC
7704 kHz, 02-07/06-07/09-07/13-07/16-07/20-07/23-07/27-07/30-07, 1420 UTC
6872 kHz, 02-07/06-07/09-07/13-07/16-07/20-07/23-07/27-07/30-07, 1430 UTC
5861 kHz, 02-07/06-07/09-07/13-07/16-07/20-07/23-07/27-07/30-07, 1440 UTC
5386 kHz, 02-07/06-07/09-07/13-07/16-07/20-07/23-07/27-07/30-07, 1450 UTC

XPA1

13368/12168/11168 kHz, 02-07/04-07/09-07/11-07, 1210/1230/1250 UTC

311 311 311 1 311 311 311 1 311 311 311 1
00367 00325 92547 55481 02177 52990 71718 97377 43447 48600
12630 15255 53489 96728 17310 95029 70328 73034 13357 61356
92928 20267 53427 08196 19766 91103 37131 42276 27103 22064
79741 27490 07443 00252 11462 42195 08262 45113 18575 89188
88036 09613 10449 57636 62078 38016 76441 31748 32700 53878
79421 45848 26360 67447 96431 57707 13222 98136 60761 81505
22638 10730 71815 69075 51292 72116 87681 60400 17533 98092
14417 67815 07780 32888 37779 99579 51288 68239 81281 17597
88733 52951 00688 18095 71829 27192 77896 88287 57535 17631
74144 15047 92978 40963 21090 18477 13593 15126 95064 63207
29343 55682 54054 22403 31486 92370 45506 29734 41181 84907
88865 06206 11191 83124 58800 05813 45436 83895 35844 01399
33160 84813 85188 59865 90125 56875 33123 99834 70346 93137
27215 51802 89970 08810 43535 21879 05181 79133 13403 37945
32353 54560 85001 74458 76360 39933 02729 07288 14754 12571
01064 59346 30043 08266 38690 16381 49777 57056 86184 64821
63378 81373 68720 16666 63408 74683 23070 41963 19912 49382
07991 53761 38142 21975 37448 99801 38743 57111 04164 64841
44142 74056 22037 73686 99509 32399 66945 73756 40358 20743
21211 91460 11827 31068 42158 99497 55062 78469 68130 67593
54903 81639 36500 77282 20637 49765 10225 96567 73251 03096
62522 44306 25626 38660 06797 23375 58769 66847 51491 56526
55252 02058 68338 02190 22532 35319 92998 88561 01209 72354
60298 18931 14847 10685 38419 24093 95495 70551 88090 22898
21439 10107 74774 14855 87900 80147 59719 77033 47247 52824
76172 94504 67876 91921 78840 82859 57448 44678 70020 21080
89809 20317 55679 60994 65304 95981 40400 42462 92953 99282
28527 65047 54456 97595 72793 95659 20995 91367 40783 90371
40590 23800 03887 49692 44493 60309 11900 87476 36124 35196
39111 84579 68455 03904 82825 85479 42475 77852 20346 05790
25755 69391 92244 23509 11148 49267 00691 37971 19928 97212
95512 50313 94442 96127 45570 49395 98929 68971 10138 64144
10412 68663 34912 02043 29792 13840 20996 53430

13368/12168/11168 kHz, 16-07/18-07/23-07/25-07, 1210/1230/1250 UTC

311 311 311 1 311 311 311 1 311 311 311 1

09293 00228 52538 61390 00404 40481 27826 70014 51466 16688
40980 53289 15007 45511 36080 03635 16160 70500 90750 49656
72967 46248 35809 43144 02772 10679 90977 51072 01517 48681
07018 19183 98197 05036 83418 39150 95711 45454 05483 07537
63390 96718 11220 42114 33614 48117 92800 74420 06568 78370
33023 82850 56656 48414 24157 16824 86088 57116 55064 29093
04272 55499 92543 00726 68642 15436 30109 80762 65549 55100
51301 38884 26284 40528 78357 14695 03022 32729 42648 55278
69551 58094 23325 23659 51971 92493 96641 16428 04951 30761
92405 10900 74093 99084 85504 79683 09758 79730 28505 63546
75629 09843 93444 22507 28681 11749 45743 39516 89063 53020
66604 68806 88242 96989 96387 04446 88964 38837 66106 76429
75574 43819 55621 20840 08702 31897 53573 23808 42463 82980
93737 59092 96208 21724 75950 52875 20883 56594 46198 11670
42287 14207 42609 22516 22982 44664 77239 65108 56512 15158
17178 03029 74964 54984 82940 41658 53874 41689 72168 87296
49570 83494 51186 77374 18519 90704 32211 38235 92401 67635
02763 29350 29643 44453 16966 50810 02632 27721 87718 62333
19716 89765 66403 55639 87727 34565 55299 53085 08963 95004
00777 35481 06614 80750 87897 07779 64545 20805 98704 62789
05908 05435 21420 61773 62290 02294 78492 27991 26332 98007
98146 27471 40170 22970 92826 41359 16064 22737 37466 59945
06611 17778 19183 98310 03817 33217 98373 56591 07912 63218
46064

13368/12168/11168 kHz, 30-07, 1210/1230/1250 UTC

311 311 311 1 311 311 311 1 311 311 311 1

03037 00416 90962 26983 35615 39132 80756 91740 73874 31061
54459 01916 39342 91047 63817 66435 59289 96501 91703 39913
66014 39033 36903 88788 05477 85525 66895 04811 50940 30901
81120 31859 46455 44360 80450 59241 86696 64141 66318 19975
73553 80180 00302 34796 57744 33779 88351 08497 16865 16189
03871 49840 49316 98336 54444 95826 93689 31951 39261 12021
68662 71525 36188 06057 69881 17976 08385 46238 45909 87019
35372 06341 69053 73361 75305 41983 33289 57923 60771 55022
51202 39161 80789 65315 96236 97467 16913 15640 41174 22336
55415 04399 90027 46029 12455 75626 38228 17507 38108 21649
59981 32778 04224 58944 79636 47882 12472 55572 61544 00726
18718 36968 29533 54170 08066 30466 03724 63972 60796 45385
75316 79489 72307 58304 14207 53603 55314 79153 57366 49396
28793 17201 83358 58414 61864 01861 08398 91562 36549 40732
13467 90808 72276 38823 71436 86370 43223 17786 57197 91388
41593 91187 07599 16720 08928 22100 21452 89485 67160 50119
24701 55557 31651 28023 43279 23975 30824 82789 42337 82752
28896 77093 37252 70832 99441 16660 16295 64334 62737 09398
14372 42912 59145 14657 24688 71661 50640 97955 61348 23330
75569 24861 94443 44492 38952 75261 52873 16433 04752 23551
53486 78354 21165 38016 30602 99191 98295 64265 09714 33057
20694 06594 03107 52034 37424 64439 48167 03036 18526 80967
82587 24165 85652 94746 14127 25267 53504 69451 83981 78217
43596 54055 53607 16471 93842 83546 10519 28339 52250 18921
13924 42846 35119 02148 76819 87593 83645 52887 68842 27972
21996 58773 76412 30248 00272 01613 69727 36968 80591 47067
24218 50052 95599 03771 57964 27300 30196 26625 80131 33444
58598 79126 08909 84038 25592 21900 96559 85895 10973 03069
91671 48901 14096 24445 16761 49027 17450 63780 42438 83702
23747 39014 55809 11657 52143 41128 70854 71139 70700 48595
84577 50743 69714 27891 12515 31316 36986 87990 73197 74554
53606 92419 61279 81077 63007 78227 76795 93060 82473 91467
94549 76114 46992 70127 22261 92935 24741 93985 01738 40176
29717 88907 97021 24108 59649 57677 23210 78538 91668 59933

65557 65424 30725 23492 57964 02217 96794 58009 11268 31552
20835 98128 14353 78863 39479 05834 36081 89132 81465 96051
70832 27537 70848 98265 23622 54508 98041 51844 06251 54544
90225 09401 17332 19994 35278 63911 31249 20634 40387 86975
04573 51362 58804 20422 68747 57295 05902 07443 88729 92820
14415 45291 76329 51404 41453 33068 73543 74245 91499 25808
38452 15146 95927 93320 80119 29702 49781 01662 89709 57151
72099 51649 14693 96220 10782 45439 88342 70331 00715

XPA2

14958/13958/12158 kHz, 1100/1120/1140 UTC

14958/13958/12158 kHz, 01-07/04-07, 1100/1120/1140 UTC

06338 00400 97524 22046 97950 43242 11305 29006 31417 51340
80097 87373 37590 96360 12167 51590 30967 85526 43943 89580
99619 16633 85769 94444 67742 94346 49331 41243 90136 58415
19209 83915 89355 33988 28850 88140 44455 29759 56981 61859
92118 81536 18693 76558 76582 83125 61572 28153 31379 67861
27302 88862 31430 72276 17508 80105 20104 99649 78951 09550
00556 40266 24379 43090 00581 02813 56075 52434 72383 04413
11640 00570 68664 59023 37468 79867 24644 74244 98688 80791
78015 36211 61901 79779 80798 58886 85218 54445 86667 98842
84417 70358 89733 85042 29767 13158 86361 54510 99434 48074
81509 01286 43229 89711 68861 62871 00030 91402 69919 62543
36424 02067 59443 54878 15470 70896 12473 89565 12005 17513
69443 43454 99421 42008 64361 68033 36804 75246 06156 44850
84426 31268 99103 61336 97539 61519 31254 05363 27844 77345
13283 16021 89551 07981 84400 49579 34368 89837 11010 42956
49692 74277 25513 25945 85815 19266 45706 15514 31651 42546
02049 09050 21452 88554 06173 73432 71941 20549 60928 67198
11273 72046 67453 54120 79027 94594 92242 63289 07154 58936
85887 17419 12650 50807 18518 40910 55595 85797 16691 54707
21541 95904 97511 22853 80976 15821 97078 00970 24854 02461
20332 31439 64604 74991 33609 29858 54733 36496 56349 86112
63675 16681 93640 53518 46851 57763 56271 30467 11307 77293
12748 65252 41391 45851 73297 26700 00015 93772 29754 35119
73604 44558 37313 71028 32771 06873 79179 38348 36404 34727
53638 06253 18671 68496 98210 93734 10497 22767 30037 43287
18059 29120 24984 11461 61880 89954 95983 66214 96500 63438
81614 57979 47751 68340 78663 20276 89643 99354 89981 27802
18417 27492 90795 98061 67374 51472 87088 42317 62291 62124
77703 77475 39061 64725 77026 19196 85628 53266 89310 36687
31925 00135 14476 39910 12596 49478 61406 18873 77839 61978
06395 27815 81372 62601 30101 72503 28873 72503 88778 73267
42429 38487 59632 97878 66407 24834 97044 57969 98700 48398
07142 56371 66073 19678 83678 61363 68195 30760 98598 26590
04840 50912 79921 57664 48206 49091 71786 54380 14190 98177
04340 98925 34512 28384 26175 38757 94996 02508 16520 24907
19343 75084 54185 54032 68598 56179 00066 74411 88603 42870
14035 37578 98499 15117 97853 00932 11572 54082 30030 34313
26680 98805 44699 86458 06875 21917 15039 53890 25306 17600
91711 11796 07179 67605 80874 16232 04753 99796 12363 71819
86873 38271 73048 20988 02760 39980 40989 56989 84003 16354
89602 12805 04455

14958/13958/12158 kHz, 08-07, 1100/1120/1140 UTC

05482 00001 00000 10140

14958/13958/12158 kHz, 11-07, 1100/1120/1140 UTC

05392 00001 00000 10140

14958/13958/12158 kHz, 15-07, 1100/1120/1140 UTC

06262 00260 76279 29153 19069 93649 86327 82535 13755 88519
49513 17870 77684 95258 75264 44918 80531 34233 26216 21147
81672 69913 27168 92871 41624 88590 92799 58180 02270 02141
80052 90694 77296 00322 64931 45856 42679 26361 24732 63257
43278 64250 28179 04968 94567 72356 01467 61348 46691 53248
14067 81938 54099 89025 33122 39862 05920 93238 95737 87522
53052 03026 44177 26168 45776 13891 44118 63576 56209 19506
26618 84473 21865 31999 98267 87264 89148 29937 03016 15218
96127 87232 67325 64258 56902 14325 82453 81956 39959 45331
83424 93185 29899 99939 82913 85811 75431 26006 24385 70552
36951 36666 26387 44655 51837 13886 54082 47045 41442 86551
91460 96137 81794 92146 92049 04406 25012 33729 42962 81448
54601 88015 16708 55575 26999 64741 47493 79132 18445 51330
29619 22393 06897 28390 62799 47176 94287 36964 31913 06239
34077 03554 94910 45613 49007 10613 58677 04651 55711 60251
44566 61287 12255 40975 10269 61586 51083 33583 21219 78644
57403 11303 04931 95952 17643 84861 26007 12640 13393 14164
13942 13370 00933 61512 20667 98110 99793 95843 73658 25718
51256 70354 05700 61274 41466 22939 53287 89245 80249 86366
09838 63849 64876 13364 81388 26868 46117 42925 79701 53952
88491 09208 30873 04447 15562 50370 24673 97445 42470 36708
76744 81416 33607 65750 71620 00318 73409 23570 22351 09426
39370 49824 43778 21243 53928 37177 44717 61338 58273 94578
27647 53124 74232 29904 74969 56650 52102 63712 62561 23660
67047 93210 54878 03425 54458 15176 15763 42951 88628 03384
57055 94096 04067 77308 53779 25879 23023 45986 21703 05632
83602 22596 53310

14958/13958/12158 kHz, 23-07, 1100/1120/1140 UTC

03798 00001 00000 10140

14958/13958/12158 kHz, 25-07, 1100/1120/1140 UTC

09572 00001 00000 10140

14958/13958/12158 kHz, 29-07, 1100/1120/1140 UTC

01028 00389 91151 27005 35572 87902 45406 55796 85233 02357
48498 37377 80384 15732 49510 77785 53793 75493 17182 14386
20635 96271 92819 72414 16267 99272 23165 45707 69185 39181
59129 98113 10831 69461 15272 33607 37841 31561 07515 18477
49826 30795 29065 17822 14224 45920 02779 96914 85861 15464
74551 52880 44152 16960 01829 69377 04886 47737 85965 02455
20572 00131 75044 06645 71270 25054 01985 60720 54850 62160
81735 85000 92172 76638 16409 26139 43246 93372 69971 11764
96870 76721 05856 80087 55159 37289 00617 10450 04417 90929
71545 67114 22290 85616 90599 77276 67652 12341 15590 17428
74557 58919 86323 63760 41675 85923 36115 91533 42831 79565
72966 44712 52763 81019 91969 78374 58703 69795 88586 56978
17181 15645 59790 78321 99986 35512 76641 01170 87164 73676
75409 80160 01274 03723 52672 19268 55799 77280 12458 91456
38645 73709 17608 67645 08211 44232 41138 14466 19650 45362
15676 72298 66826 20077 87956 56279 78783 61673 33158 65243
81054 23777 48840 78026 15151 60726 42396 81332 87811 49362
14641 84541 14172 02975 95917 27320 12873 82154 91856 41650
59862 80200 44109 05294 36580 81278 85385 37645 87668 08909
18885 24503 51638 97980 78611 78865 72028 40131 90402 76529
56045 95464 56512 59251 86352 03130 77199 79952 78174 66692
07506 77605 90429 17006 17808 70841 82816 40578 56921 93143
78659 52385 26346 41410 49621 15972 98910 40971 55315 72636
13809 87629 74988 13954 61609 40140 33747 41452 16928 40455
24198 57257 68020 17645 73736 00230 12135 28054 11900 94962
88223 15451 57353 82668 14191 61722 64789 00693 40701 70923
43095 12423 57677 29309 18658 80242 52806 80180 64107 43811

50319 13576 26916 65107 91158 88916 80033 30387 97376 00918
48686 44577 58127 35868 58402 97988 86808 88571 78116 87403
55496 76924 83811 29787 36789 03846 57714 65143 42598 28258
37033 86939 74007 22854 81425 87915 26185 72902 50462 34064
41301 90799 97718 13460 91959 85303 46440 31863 05256 28114
67153 74091 01450 32344 38908 47737 34901 28082 69772 70967
74480 08956 17065 53742 13550 82093 53268 05403 29514 40905
51293 70865 33710 19177 25601 32551 94551 25167 05001 01668
44059 64680 36574 38325 28161 64429 55743 39616 31665 04870
89754 49495 61207 01653 65352 70577 20642 61588 18293 82601
04222 48880 31353 66793 29371 84657 39088 61236 53523 62439
48409 65500 64801 42278 62833 00895 86419 83223 53519 86244
33609 43424

18235/17437/16179 kHz, 1700/1720/1740 UTC

18235/17437/16179 kHz, 01-07/03-07, 1700/1720/1740 UTC

09049 00190 39352 32142 54446 05186 18390 95459 87135 44413
58648 24090 14296 70599 97243 88921 09718 28641 98188 21531
11449 13579 08665 60610 45459 43783 58489 39385 93062 89102
17243 10106 68804 18271 73053 27234 84615 40730 28425 80160
89277 55502 76044 76571 14525 89911 78921 96591 70585 11300
70663 44766 73896 29390 44353 18656 49849 35183 91134 20066
21273 28633 87170 73670 27110 89685 64164 94456 93662 94717
61146 31075 12383 90324 51680 46006 48964 45202 13769 33355
31374 85390 93364 56761 38455 48776 26151 20129 73785 11803
53724 25143 23007 08452 17622 27345 13372 23612 09136 02004
01433 29493 87848 77779 84622 19710 23349 16802 01151 54618
06814 30748 78848 45686 82078 28905 34111 42546 48466 15323
38155 48808 68048 24321 98625 70412 10027 49408 69022 92439
38255 65009 53044 83530 44535 69127 43899 43872 11764 39271
47376 35957 47905 01039 19130 79595 01050 92752 74645 40835
21457 83107 71467 34675 40823 72081 98758 90582 73352 07649
36227 83910 23248 43339 57874 90058 37216 36929 13180 44038
97141 37394 11890 92956 84007 41728 11925 70474 11656 12656
17580 91162 27095 48424 21158 76715 98284 79889 81370 57000
83936 28144 53677

18235/17437/16179 kHz, 08-07, 1700/1720/1740 UTC

08811 00001 00000 35661

18235/17437/16179 kHz, 10-07, 1700/1720/1740 UTC

09514 00001 00000 35662

18235/17437/16179 kHz, 15-07/17-07, 1700/1720/1740 UTC

00410 00188 06271 34119 45948 90910 90565 89117 79342 86020
74953 73534 56020 65887 17924 75472 36091 91465 46740 84965
00669 80737 71145 96219 22293 89173 85391 92173 79504 37541
67244 15971 86832 26022 15117 55862 71740 17260 62616 76611
21341 22216 04470 72079 07305 63590 86903 31393 30045 25731
75656 60647 04190 65866 91389 63302 35358 03868 67137 83289
71311 08239 62822 79369 65966 66416 57087 29209 61334 99197
34047 41356 83294 21066 11820 47330 52715 45858 38464 52885
78033 32542 22562 11436 46433 57665 46808 16516 13365 27946
55044 88992 89247 94303 20008 78530 28644 80068 19794 76410
98235 21224 02187 46278 44482 56008 04564 57906 70966 53787
95705 45114 15342 58513 09011 15102 74151 08358 96170 21251
83899 73485 69601 67689 82847 83787 90885 48493 57899 35847
38659 88808 75684 85614 77254 47664 88533 30684 65286 59377
96224 83923 73494 32781 00574 17301 19377 47709 20508 90048
22142 14106 47312 62282 97429 19700 98778 88961 23551 72174
86665 82483 78023 21647 74518 87014 33366 76414 46572 00113
35310 23016 13025 84190 78445 72584 97861 63728 84861 17579

05822 72213 09137 27031 19432 53663 14761 19341 75794 65225
03660

18235/17437/16179 kHz, 22-07, 1700/1720/1740 UTC

05123 00001 00000 33257

18235/17437/16179 kHz, 24-07, 1700/1720/1740 UTC

09223 00001 00000 33663

18235/17437/16179 kHz, 29-07/31-07, 1700/1720/1740 UTC

02558 00195 06248 27386 53752 32494 77858 29701 81702 92726
01279 69523 52074 84129 74712 11930 26366 72620 00208 52676
51808 14708 21381 07272 84549 96302 66968 63047 84987 66366
86241 83971 34614 40839 01129 23498 01492 36477 56201 63618
82561 95885 25392 16256 19500 10370 34547 85497 07636 53078
38977 72148 39665 73248 72416 95461 91058 64361 92110 97264
97081 33022 96014 44502 70882 03904 09592 18466 08564 44972
89338 43283 31473 94656 36722 83918 71672 59030 23795 48371
37452 22363 47709 09423 94040 96643 13945 15110 29219 93276
70659 58383 01358 27901 79306 61657 30228 80267 21007 72542
10878 44365 09462 90174 17063 30245 37927 43696 96617 46876
39970 65901 43732 93279 88336 41613 51300 81816 39192 37478
15625 61373 62367 96143 29233 70316 43941 45616 30211 78532
48049 72737 09047 46238 97153 02773 33055 17654 20228 96316
77596 14015 45393 25205 91896 16659 17847 89510 95955 62078
93978 61910 71885 66053 46423 37807 63843 36220 04459 59444
16036 30567 24608 03362 19463 83702 69113 50046 11385 58033
94190 37737 71286 44871 77883 20256 47127 42447 24818 30188
30546 69441 21667 10201 91564 00497 52719 48640 97980 96692
71891 60404 84726 03386 49127 90874 44972 47447

12148/13448/13948 kHz, 0700/0720/0740 UTC

12148/13448/13948 kHz, 02-07/07-07/09-07, 0700/0720/0740 UTC

01512 00630 72188 20643 12529 22335 78305 55084 11026 51802
30075 79053 43818 86576 52244 99508 16401 87478 62325 24845
20985 50400 87724 84014 15096 88248 44750 25662 16748 65749
64492 32176 96461 06760 45626 37622 12348 29152 93845 31937
76712 64309 15599 07411 65547 40537 47621 52125 86836 95346
06962 74741 12135 51056 51678 07683 64138 41201 25549 05707
94008 74079 01189 30236 91309 07824 65527 17798 61357 43806
06454 33713 88466 92869 62093 78204 54453 66707 11295 32915
53242 03150 31038 97986 05982 30900 03287 33766 06785 01117
70448 40887 04909 84310 60541 02113 87506 32154 55219 40239
79654 47504 80018 84357 20090 72404 76290 34020 25226 72689
13779 62102 91575 34248 20844 02363 23868 90015 98066 46382
47301 13257 50912 77479 74330 85260 36478 41803 20413 78596
55153 21921 41126 38239 03786 11089 35377 47293 24763 33767
62198 01647 89738 79261 24902 35913 80526 66207 17990 46442
74007 90714 39994 46987 49751 75878 36485 56309 13000 57018
96090 85171 72935 68391 96459 64297 00654 91752 66791 50203
38576 50858 01574 91855 37653 89851 60823 65713 85831 31252
93890 01608 42345 43382 72335 93861 18599 66036 98865 29397
61430 82129 82222 57106 83382 79595 50528 02799 88290 02966
92397 27891 99501 79080 87603 46441 67991 19196 78849 38566
28889 94798 12156 16021 14776 20781 63597 28835 05890 06915
71249 40150 63676 31786 82511 86629 13753 45321 61260 19175
12133 85328 18785 02791 39211 34106 06992 36172 46162 25599
23671 97611 05453 17207 42684 32713 74539 72824 58623 92307
02399 02474 49340 61028 75740 58284 94679 76340 03048 86732
72301 75953 10634 02991 99116 08873 17744 21004 67949 32984
36863 18372 90748 38028 49208 31477 51808 52055 78798 08387
27970 02582 32043 00871 33843 22433 17036 60715 98076 58050

54148 35893 96123 64493 19323 67062 52887 12577 16145 26477
08115 99440 34467 89154 09967 33060 58166 71006 95016 85528
47477 44595 41508 72621 37752 09624 78064 71341 99435 27090
48545 02594 00302 70973 16852 95974 97156 13856 35486 93848
57947 51990 37548 29361 91814 57168 67960 80140 23967 63275
54910 34472 80556 48284 96390 47240 12189 69847 04318 93074
52149 13004 64056 90201 18086 64354 71512 88905 96252 78681
72119 73403 30665 06987 63610 65910 68193 85420 70665 48060
92255 63823 68432 22410 01143 41732 74559 57260 65101 28092
72345 94316 79868 36629 50677 64195 71198 56104 90558 30423
50627 83713 94638 04672 04999 09466 82636 39058 95521 75109
61028 45923 07976 39961 67337 55301 17806 60762 73387 64504
68191 44745 32147 37236 75865 21380 64630 09293 90455 46390
37872 48151 86891 70615 20316 10083 39255 36775 94704 23660
81054 99151 27206 13710 89661 55659 17793 03241 10751 22113
90426 35124 84715 53777 78712 50581 63012 93594 80446 05621
33313 40396 96409 34610 87072 31231 42851 96119 83275 69661
35801 17748 13646 92704 39546 56577 51669 62267 29105 45543
20191 33753 25120 88317 07176 13490 53210 23102 53345 03436
03486 87267 15956 51547 45437 73196 77939 38755 26384 37127
14035 19119 26390 30399 68221 40602 63822 28002 26614 20816
67178 88156 23571 88362 62142 02756 96792 42378 29380 86449
68136 32081 41042 92497 62475 82554 90386 79325 68703 90266
55612 57417 44744 90835 43391 81360 14277 06029 24748 29243
95449 03647 61662 36688 30060 15429 71657 90381 40929 44560
36888 77677 01158 54262 11724 76779 61188 23778 00886 32884
85517 22070 85413 12789 95471 98849 59316 92001 77869 32410
71500 09651 84984 30098 91273 13830 85324 97911 40608 21531
41067 00198 89854 36369 50282 62741 69593 89230 81277 86031
79991 17892 29278 53763 58701 25580 79886 95414 26765 86079
38056 41304 66530 13095 05720 60824 98423 81330 77752 26825
48572 58996 87241 53174 97695 35299 74999 65123 33608 12210
94038 30846 14875 49261 30531 64541 66352 98145 23366 34285
20487 94146 20834 27522 81646 68514 39908 63931 25986 25621
56746 16003 70111

12148/13448/13948 kHz, 14-07/16-07/21-07/23-07, 0700/0720/0740 UTC

07253 00227 72385 37434 90346 12875 08190 09713 59956 93636
94460 83409 26813 85394 47140 05675 69570 87328 25989 65190
83218 40645 52963 54210 94178 88472 75598 85991 16724 42087
02970 43531 30972 92688 68976 62549 49558 99988 29910 60605
68292 55385 66211 27859 81590 27846 67191 61113 50343 91081
67256 47726 37980 77117 97999 13780 59597 41600 49534 17182
65347 44957 59176 89369 50092 89710 33887 51279 62758 65656
68057 99433 65075 44900 10655 14940 96851 69318 84172 00479
71843 47517 03923 59608 80082 68627 71792 52719 50133 19223
55420 04234 11787 97243 10678 46091 77118 90646 95127 72155
50846 69254 79860 62244 29023 49217 42144 59701 79814 35774
90426 58722 83247 00821 24496 85527 74508 28860 98312 30025
23556 07168 50463 39861 98840 37558 93213 50257 53074 89121
09119 63261 80558 34059 63486 22043 49466 53840 96220 53532
66912 03386 39305 21414 86448 62857 22632 14426 96995 41596
89913 87499 15841 38135 89341 97827 07618 91711 11568 64589
31799 40182 75756 30628 08745 94023 43325 20827 33572 06225
19222 69430 79966 56416 69765 74867 75517 26828 60494 95668
99022 30777 22314 74767 38153 16617 93063 50924 44976 98081
40308 75488 45040 10325 62821 25718 95100 64786 85431 34614
86357 36487 37614 49276 36934 94231 76667 83028 87113 10425
40908 92189 71714 87761 92725 31631 33875 23349 71857 53360
22955 82433 43643 83601 30615 35836 72171 18133 88681 21430

12148/13448/13948 kHz, 28-07, 0700/0720/0740 UTC

07481 00001 00000 33667

12148/13448/13948 kHz, 30-07, 0700/0720/0740 UTC
06149 00001 00000 36262

17435/16235/14935 kHz, 1100/1120/1150 UTC

17435/16235/14935 kHz, 02-07, 1100/1120/1150 UTC
08295 00001 00000 34671

17435/16235/14935 kHz, 03-07, 1100/1120/1150 UTC
08385 00000 00000 34260

17435/16235/14935 kHz, 09-07/10-07, 1100/1120/1150 UTC
02576 00358 23473 92058 45273 08074 45953 38413 55637 01525
96999 21814 40124 27879 36193 82934 03424 18568 41909 67548
96637 31321 48263 41147 95704 06740 20343 48897 59142 10870
78366 89531 12803 52387 94064 83971 61547 28281 70173 20731
34319 08275 68928 73153 25282 02765 76342 13185 19052 82302
80516 57848 46880 39278 35335 41093 17025 39683 99447 74225
47201 76600 16719 76422 14756 98424 25408 69218 54328 18921
13014 66294 13564 21091 81413 71661 47698 69403 52455 96809
69985 58399 57975 80753 59922 15838 71399 18695 34485 83392
12600 06324 88051 78975 14308 06701 82594 08654 28189 52041
05845 18677 19216 84020 91978 99820 05968 84650 82768 08042
06567 12884 50188 97770 83457 70061 21440 16262 44295 99708
78624 80957 79001 93850 10431 41692 53857 50846 32765 75113
08064 81787 98478 47216 24936 36443 46419 43967 18259 52911
40676 19924 64158 16515 92301 32810 24991 76634 53439 66334
25709 43506 22579 59601 80101 91853 84122 97846 70962 77088
64936 90114 01177 22587 53633 28589 59466 92614 91419 73459
60218 99728 41176 25140 89243 06229 82712 85093 70984 96931
35309 21315 03480 41367 09409 82038 43939 98128 87221 51156
31206 72352 60408 51165 39334 00517 62110 41670 51041 62851
42743 86711 90859 33856 33975 60869 45877 98612 46714 31846
14995 27982 43871 53781 36713 83809 22329 71108 24824 13784
78267 32257 65623 78615 41273 79357 80225 01656 56906 08593
77465 19199 07112 24705 98032 94903 04547 45380 31343 00741
58466 83863 93351 10985 46069 81359 28801 72672 21409 24330
62644 74651 34345 47488 27870 09877 21129 52610 26122 31184
47633 07446 90556 57558 08566 12605 28319 37923 25931 48505
27471 59344 62494 80264 02184 79806 68575 04148 01698 26189
79765 19414 82066 22628 82913 94817 29324 30261 65284 16509
03211 27369 73609 65909 13505 81244 95598 37765 89137 61716
52105 28944 91659 29727 12874 56579 09950 86841 83019 40681
19893 48316 24922 31031 24116 77431 78143 14920 69309 98048
62085 80640 91873 59576 78226 84267 48106 53844 24723 99663
44452 37618 75489 91198 46840 20684 86275 42895 31472 18339
78648 54710 95034 96648 98651 32715 84190 17128 10203 79655
49279 35513 73106 50836 09498 23232 89552 57564 72999 81939
52147

17435/16235/14935 kHz, 16-07, 1100/1120/1150 UTC
03925 00001 00000 40255

17435/16235/14935 kHz, 17-07, 1100/1120/1150 UTC
02760 00001 00000 34660

17435/16235/14935 kHz, 23-07/24-07, 1100/1120/1150 UTC
09539 00654 91618 96444 29396 38409 91747 47408 69762 28950
70888 99029 16227 35250 16000 38551 55657 44718 98359 47997
95058 07100 54018 21936 80916 42655 73545 44052 06220 62426
64479 78953 53267 45155 12314 09889 11733 60171 73080 14233
84880 11830 59576 08780 90708 61853 32533 57554 68325 73234

92767 83146 23350 62414 77447 27721 33760 86638 43576 12723
32912 39080 11144 40337 42235 90970 31253 20910 69851 97098
62788 60739 54337 18463 84729 34542 79159 02615 27161 16578
77000 83431 10616 82606 83232 12858 63924 28972 30372 39436
15424 23607 41822 89505 85067 40519 46488 82535 88981 07739
38045 04766 91417 67096 39751 09693 02020 68007 11232 49121
37463 41371 29562 87391 44323 84142 85846 97267 76576 14910
80767 04995 02947 26841 10171 34638 20793 36678 64362 10212
13430 83720 37180 47145 53823 89694 55296 34492 67029 28972
90861 34796 66577 55293 33607 91287 20225 86249 23091 40217
88919 81014 54759 18138 54925 93027 00666 41465 82803 83913
05873 91331 93523 78195 89887 77499 16595 28916 93239 36876
40362 90148 10640 26068 28163 86518 71840 06772 28130 60184
78105 34902 87760 08064 51875 58664 28398 54183 13254 21010
66912 45318 22420 35434 45429 84021 74919 29577 32259 22471
60904 92816 19920 54613 75845 68959 28921 82046 62254 30360
37589 33145 83072 91150 21480 40102 59702 59193 81611 23471
85108 59058 07532 04296 50309 92494 91628 81398 61615 57870
42397 76640 63337 61615 62877 97932 83767 22792 91595 52765
87806 73281 93963 10451 61828 29110 29509 56268 76756 50541
19483 78186 40182 61767 93091 69384 05565 80562 75852 69493
34870 57359 13880 84803 33652 49155 12825 54439 57829 61278
61152 36977 91281 17786 76071 30400 44514 72790 98239 56783
68457 76486 94254 85556 03088 89239 71590 26061 70655 17276
96991 84164 56898 02502 88172 82551 05960 16109 27379 19310
52922 34510 63738 51137 56699 31668 35880 83183 10268 08328
75739 71150 43265 30891 03535 00505 74324 45952 58174 57822
91161 36747 66437 43616 38088 62609 51231 98411 98380 14244
66785 40622 63338 29051 99818 96163 14288 09709 06108 52573
99908 98233 82719 90793 57334 76339 14073 01262 93760 46545
08359 34417 25125 30888 04602 74711 87533 30836 57601 26311
70649 82895 97585 92571 00883 38159 80799 54291 95025 58258
92086 09422 30512 71010 02193 15683 01670 70471 01155 84181
13842 94456 22484 73103 45574 60667 10029 14205 37021 54738
49324 23482 81899 73309 77804 92792 83828 73232 18090 49105
86147 36648 09800 66279 95488 36300 48072 93494 13973 33595
06957 97296 60732 77603 98448 73429 83632 72272 95084 71292
62336 23866 47474 50340 88577 92006 94543 86794 39531 21220
86985 98527 16320 54065 05805 94852 75126 44275 50648 14808
52300 12535 78643 04080 53619 71264 44546 80684 80034 01761
93449 04582 15732 88541 98285 83815 68751 77895 09224 88252
76403 08591 63837 70317 36303 49551 39550 19865 49599 54958
39090 83078 57168 48134 56588 12976 55376 57439 79128 49014
28001 77923 52946 05765 72597 50454 00909 82993 05264 25040
20792 32480 66149 33790 36601 32550 30437 37082 95925 12547
08005 96026 32224 86707 36418 52181 98983 99708 16824 36065
13880 29736 31860 82366 39085 57933 79777 01597 62498 70462
20448 45289 80520 45075 36118 45137 14764 79578 65126 07664
60118 33693 08340 78997 81855 54769 74218 26342 73821 63301
72575 96115 12233 75498 79346 49864 21129 26482 28989 37324
58511 90832 11075 05694 17556 88880 51497 22448 65369 20203
44051 96032 03412 70343 89769 82766 07238 65341 12001 01970
59915 98928 60802 76167 63735 78711 66577 51320 32700 87958
35390 38835 88310 16859 44101 94853 11841 12222 11090 10749
01722 61253 66261 06868 38714 63761 42705 59286 11264 64118
50982 23747 19474 58953 37714 01257 84006 01173 30662 48081
56201 83459 71723 26410 43717 59552 76257 81510 21556 48982
34549 21902 29342 46837 87848 11667 12212 40997 65003 25048
56088 07043 24061 37171 96534 88583 26631 06988 62901 64196
94228 51194 64773 41113 80394 31512 70015 33778 98979 59486
11992 30162 00085 74514 17352 66203 67315

17435/16235/14935 kHz, 30-07/31-07, 1100/1120/1150 UTC

03062 00537 86153 41058 16381 85545 99738 38682 25263 27317
99234 71553 07273 97255 21428 31330 92855 83055 08388 94709
79882 77867 21391 73914 98489 77027 38606 49722 49371 03014
80068 28349 13067 71331 98045 26861 65946 70043 36632 29315
18688 87739 00132 71659 09851 30082 46109 97944 98632 17111
44463 61046 60682 53279 95817 32669 40729 38074 97693 27651
18597 07787 06357 10940 08066 97117 43905 35369 68300 31183
27703 67083 81461 77326 57919 41908 92144 09964 31125 50360
42853 16219 53908 90745 52945 50236 31040 38297 88209 16209
30317 91412 73982 54784 03526 00205 21319 22924 04602 79487
23653 43900 50999 16521 74429 15798 66259 26831 99417 73158
89580 96289 12066 83267 57395 70703 66333 78210 83511 02171
87001 64658 74142 23155 46350 95747 36777 46427 19963 63027
46921 16880 48576 25868 57173 52655 68258 40631 35473 40129
37440 77015 15663 28416 76306 68681 29495 85695 34070 11853
59141 93148 32108 73776 29786 25133 45413 03362 62796 57865
40938 87569 07174 50225 59442 75876 42955 92066 84095 01526
84368 08237 04496 92546 01460 28360 75575 75195 06575 80865
62665 41446 46327 02703 41308 56809 82755 68043 33850 43401
10824 64535 19768 29366 56612 09766 57543 38801 08504 93765
68299 11982 29136 68515 03049 37844 73745 12870 70000 75986
92752 49249 60211 58540 05242 84134 68192 71187 23294 21718
94342 76213 95826 98652 82908 08739 84286 32777 60928 27343
70444 20596 09621 81832 42863 44910 64626 07543 39489 06465
23583 00129 19577 94516 45932 66837 79299 96377 94486 13190
55165 90240 42113 14337 75510 91233 95482 30180 24576 75019
53095 66818 15257 48649 85450 10373 07894 59350 16869 86028
08577 28204 97790 80414 45015 55698 99029 27148 60403 99821
82480 16308 62602 01860 19230 28963 10725 95907 12581 16316
31011 41373 28284 40620 03117 44914 56636 78401 89321 76439
06961 10388 41577 34725 84662 12023 66538 24164 92427 35451
97674 68276 83814 97990 55306 07673 40814 53333 84508 52404
58810 58849 86993 72158 71116 64632 10084 96632 67250 81045
89904 99061 71667 16844 92076 31444 41128 31716 41701 43521
75948 16296 27013 31567 57126 13701 27164 04586 22039 49229
31657 30830 36453 08704 26995 36401 67836 56793 13488 48896
73437 21337 72618 67416 21596 83735 49430 18336 77718 88550
50405 44637 90179 13983 38455 26932 61565 85529 80221 67388
64299 47758 75507 26944 32525 38829 41801 90469 87639 20939
77012 51956 89799 20333 19777 49476 47859 11425 78671 99483
80697 64820 95583 48065 48648 77025 31130 87845 83462 06690
28984 96198 40016 78498 58106 42021 76166 17825 52077 77654
25640 41635 83288 90011 74469 74922 33020 10950 15024 54234
25338 47151 33517 60390 23941 47841 34778 72042 62210 99278
30361 71086 41593 49524 82453 05804 63272 54028 91590 83911
60877 30767 07662 78750 62283 23216 20369 06497 12047 49869
67448 96253 99419 17632 60180 89281 72151 46896 76431 15011
95558 02416 37157 83352 75460 21578 48813 27160 61235 40612
66311 56639 86458 73271 59912 02826 01710 68162 60620 40582
01108 26792 84590 64991 12184 96903 68061 51103 01908 39259
38273 77019 18044 60414 67547 13103 40141 90811 57594 43864
25211 55923 13792 97324 98139 89428 39731 13980 87769 04483
88509 10666 26183 02829 83979 06676 76792 22536 76277 15662
21470 51870 16703 87625 55814 81872 18130 22246 71765 11164

17474/16274/14574 kHz, 1800/1820/1840 UTC

17474/16274/14574 kHz, 02-07/04-07, 1800/1820/1840 UTC

04515 00145 63228 69884 16184 39940 55190 31608 19986 69321
24933 07821 70587 39813 73659 95028 90330 14047 93563 04828
17774 08673 27938 12623 51390 72408 12638 22431 08781 33455
09102 45275 05062 83661 84706 71177 66828 46080 43303 13173

67653 88175 01309 19068 96053 03944 01793 12464 76329 35394
60788 21541 19482 36950 48610 74933 62998 78809 45800 94857
46081 12285 37772 52642 95999 57288 68773 24342 52616 26112
21142 40332 19167 46801 60079 70542 35102 15984 78296 68664
65435 73311 78618 67618 47491 38876 20021 14157 20466 85266
52261 75593 45748 08100 19215 21070 56162 60741 74258 24795
66337 27365 08180 03401 87047 54625 19113 10764 17066 24481
79667 07481 14571 13271 05086 16733 13223 63176 39696 49908
42732 44278 18488 43845 36512 35640 08873 91691 60332 73152
70628 45562 30240 02459 88949 81083 47389 37285 43634 33149
21659 06151 73725 86776 16565 02950 29498 27131

17474/16274/14574 kHz, 09-07/11-07, 1800/1820/1840 UTC

00111 00187 11920 05933 58232 23023 02422 61667 26686 72858
32912 23833 96030 66819 10660 54318 54170 32980 25148 44989
78482 59606 41350 97123 84996 44271 65917 08468 54129 09864
20770 13272 55230 17492 69042 29936 68201 07796 78748 56418
91475 14421 14080 64023 59362 90801 03915 56713 87113 22507
45166 13469 10108 29676 78009 08732 57655 83264 50165 89375
60610 80400 55335 46294 34139 58561 89334 38516 74397 22506
96245 59849 01887 77736 95761 48540 49976 83247 57121 21978
93769 44648 53995 09088 17879 15899 87400 09259 66905 43384
23608 28705 43653 21933 05508 71497 78945 78152 66839 17067
81809 51533 39799 35008 46862 27279 27168 06592 93429 23240
75345 75951 41895 41998 49559 26276 73988 44839 32843 10274
24622 75824 24721 24204 20095 29475 26202 79643 97631 74379
00054 70160 16502 36287 43808 20391 43286 94917 20502 20240
28956 21579 88490 41847 53402 53668 10236 44923 61294 26356
77856 30325 25812 50153 53023 22946 93030 24117 86163 29049
05689 12298 79236 06517 81025 33137 68917 21304 14670 51612
02444 42792 31093 66569 39459 57154 14991 47916 46816 24969
52633 26468 64989 15054 54200 99316 29789 75688 84645 67420

17474/16274/14574 kHz, 16-07/18-07, 1800/1820/1840 UTC

00833 00203 02604 47853 95212 11054 18659 55808 09217 31237
31103 38971 20530 50399 80004 62237 57810 74843 45656 52255
00055 57401 91444 73447 03136 84816 37041 43719 93910 65911
09968 92191 94307 61678 77833 21132 08239 80659 23403 09982
17042 38729 20187 75107 92044 93143 25229 98433 21045 68856
01911 96446 26762 08924 08716 92931 05741 68943 23327 30807
79206 64615 51467 32840 71392 29967 54101 94171 85424 49566
37188 32809 56861 76820 58976 19296 28281 60900 94826 51832
58690 53488 77710 77924 81702 27708 71232 13576 03076 80122
56810 43165 78606 50919 83658 59364 59065 17124 86394 37660
29683 46108 11702 58738 19997 16469 94526 47590 38907 86357
12064 27023 83861 21837 38116 39134 88075 79553 63519 55890
86350 70508 28527 01485 42780 71685 82813 41643 75832 79048
92205 40202 58263 04335 88342 33602 64679 43271 43795 87349
11784 56239 60127 50519 64211 96694 21533 69421 89335 49852
15756 15607 54130 73657 23019 97364 60165 95627 66815 11759
15713 99243 86102 79440 48190 29448 87445 31468 82253 98521
83342 81408 60303 33668 61169 15218 28378 87471 82909 95795
25369 13988 33345 00981 47016 33888 47621 88479 14296 22974
96190 64843 28235 16326 27315 26729 84456 12103 63855 36185
02390 07553 74691 41696 63814 41225

17474/16274/14574 kHz, 23-07/25-07, 1800/1820/1840 UTC

01099 00301 45743 12416 74302 99610 85989 84441 03036 80437
51380 58599 77838 99442 77031 15834 67165 18962 01409 45584
14117 18993 14268 36610 43312 98941 88063 57332 23587 32408
73384 09918 09668 68111 68988 22408 56353 50746 85944 45447
18418 62106 96124 85949 16729 57298 86026 59239 50200 68880
47247 91051 27537 87666 86991 48933 84870 51955 54209 65527

96783 02691 81843 59283 21978 45334 80168 54568 30611 70262
33417 56550 06044 25923 38959 66019 21964 43811 77153 00478
25667 26999 81624 47926 42668 89002 28278 65230 37328 71550
63295 12343 49974 79889 47724 29437 89787 67490 33127 06528
29148 29487 18998 61462 25460 57816 40939 58217 44575 01211
85308 24898 82310 68804 75374 73720 40064 19134 55210 09461
67298 96949 96093 12472 59641 53224 38086 27370 67788 76832
19706 93128 08031 44539 77368 77344 53821 76620 32628 60645
33257 61918 10391 71792 86116 96879 96894 08117 58836 56951
59382 92659 71946 74720 53835 93810 78888 75637 83858 28035
88719 86631 95265 95951 06366 23427 06027 50474 03033 35243
39671 57189 47286 77450 24854 31162 38458 36644 29431 47779
62064 23897 71811 25000 06444 44573 48813 55753 05008 85482
14290 96776 10069 98216 29739 83573 55571 03218 26434 28045
59084 86764 94572 52802 10559 45495 61263 27369 31775 65832
37298 19802 78038 93430 80512 50022 38202 32702 60036 39824
55096 24161 33873 43073 06455 48597 47297 98364 46875 82157
28293 79652 71318 46373 98936 13824 53102 52255 57183 42305
18860 15319 72945 87228 76144 21419 73248 28630 72604 27222
51341 60373 20520 02777 40734 20152 96934 85710 27832 52799
28707 38290 98208 21609 63863 03790 58910 91666 21970 45457
73867 16377 74295 82192 50691 20048 28946 60194 46187 45468
68347 75292 89920 01532 13676 64164 11021 10335 09977 13979
47916 76704 44914 33897 80280 12737 80899 50911 39317 53926
41373 87208 51515 22115

17474/16274/14574 kHz, 30-07, 1800/1820/1840 UTC

00815 00098 28568 68984 11171 67086 50563 81563 49181 94784
20482 27627 18613 50176 68380 22984 04770 83573 51093 38820
41076 63357 76626 26841 42607 08771 57188 00296 04166 36041
04761 78813 48063 17498 50421 83278 16792 22771 66500 64097
61873 90174 18220 29411 00662 40651 13065 40522 42867 35093
42328 30859 01380 72849 09703 22791 24883 81690 99589 06817
80115 25829 02393 69676 57234 43064 28389 19329 99980 85256
48730 64588 59016 05385 11494 64631 46339 30016 87750 46263
11009 93548 22601 95852 60395 20692 85553 73248 38093 65952
57922 51072 06535 06158 99591 12256 85755 42977 90862 24046
27624

18371/17457/16279 kHz, 0900/0920/0940 UTC

18371/17457/16279 kHz, 03-07/05-07, 0900/0920/0940 UTC

01323 00448 46382 24784 92174 64126 70088 12833 59789 48998
86136 84528 03964 00208 97484 49662 19245 38560 66078 11620
63805 20470 39324 38254 34598 20671 44562 98840 75774 77554
73215 72037 71929 22427 59059 56805 19637 29147 55058 03214
82464 04016 76597 52103 49042 31726 92063 40257 18115 84465
73767 29933 26409 28459 31700 67036 46644 58169 86462 25428
56157 88497 24784 99527 34678 15386 50543 31305 21854 24344
31466 08044 11006 42228 37416 69315 98408 18401 66111 78844
83115 64424 57028 69691 56425 90757 82851 36348 23289 52827
57418 43409 88697 31782 68057 46833 75458 79227 20701 85114
67594 83242 38019 10173 71757 64414 27232 50096 47665 85492
92234 39539 79520 74615 83139 76448 33928 19470 73148 09450
01060 09553 52316 62428 05617 79135 19185 68481 46115 65016
43184 40897 15027 24109 00953 66147 03380 87553 28710 44799
57840 60474 34889 96753 14956 74002 11023 31424 07191 87792
83107 86459 30421 10760 82238 81130 43890 79060 18931 84521
16961 23433 84885 64075 97187 85805 05625 09281 01478 42084
78335 12138 56774 48437 28598 68245 50767 39201 46949 81111
98870 73571 06992 80910 53879 40257 60741 22757 45038 49144
73483 87175 37887 03245 97142 54773 36046 34699 83450 63864
83633 55513 33245 94390 06899 45397 32318 41673 55674 39444

06510 82620 66404 79894 20225 66281 12727 28292 01290 14527
87657 45393 04797 80302 53597 07688 21152 73467 01313 38058
56537 46415 47674 40889 57683 48092 93228 26262 35200 03275
65659 74397 22357 72571 35901 98594 98891 41430 41884 88772
26407 98248 46196 79455 37371 60747 44269 27683 39284 15740
80106 97101 86806 23061 22033 21167 10667 26106 48270 92415
87880 08432 13032 07936 79706 81107 90931 83838 93465 86690
60447 23469 20856 79692 94463 65287 51671 45054 65372 17082
07693 63208 69118 14597 18419 74195 11802 41063 18193 13643
37117 32284 28217 58965 02203 88465 76143 88938 48045 10435
82001 96083 39849 50944 11063 20790 22096 70396 18277 40622
31297 63322 94747 94099 73506 60606 54880 37953 54220 14161
42784 67502 46688 40879 93417 65192 34183 28309 39869 19675
80349 31635 08480 03274 20798 48670 62402 04305 35775 31599
40257 57968 94165 48359 34199 61444 65795 36347 03613 70224
10722 55033 61569 13228 77132 14148 74942 75147 36182 56462
37410 35937 96869 76611 89650 93410 37679 77063 22968 32749
98094 23337 60099 62838 02824 17181 93475 05270 98870 55947
40047 61314 32020 03544 19500 63373 91314 67899 83229 35711
33024 42356 35359 34023 29940 37796 12339 37145 73271 99453
06701 58246 11740 98829 77723 07286 56935 09715 60531 83782
99579 03738 26831 59166 17498 93100 54209 16041 20999 05122
53408 11145 66563 15046 62459 26764 56291 78724 98132 22870
10630 46844 17159 89642 46073 60746 13611 89492 37292 51302
20457

18371/17457/16279 kHz, 10-07/12-07, 0900/0920/0940 UTC

00708 00574 59177 91302 35493 63146 40223 52176 32702 94897
61986 99817 48826 72859 62617 97021 87353 83902 05786 96466
98710 58665 74196 44036 05107 78115 07893 99508 47974 16104
63571 56463 38475 17004 74461 59745 66373 21267 89608 57840
95089 74223 87570 91889 60005 75548 69710 93820 33353 09283
63701 53089 78350 98265 00232 03753 20837 27804 73460 64403
29569 00744 69495 64266 41253 89762 27312 03126 94331 60299
71928 54139 49296 19627 45806 47493 08829 56927 26635 99045
28452 85621 15862 20254 99597 95081 80427 66178 02593 76751
45067 87207 05325 16327 60097 36221 97679 40025 29471 30948
90967 10908 37892 10014 18102 69072 48099 62841 28444 91918
01782 28520 78694 07883 19428 36835 24305 24415 41507 21196
88363 20393 19929 86535 80314 45803 03464 32158 69849 42441
83982 16748 25211 30287 15306 67015 35272 93438 55361 66607
52107 43834 02898 79083 29333 49818 44903 98654 43286 63545
17791 38829 36102 96361 70810 51703 83349 25763 21643 08596
78333 54575 60313 46594 68714 46058 72582 85019 22895 39766
17302 64157 71623 45532 86707 40331 51023 79261 10937 22471
12851 99140 63609 84663 35538 86508 17427 62163 06010 78004
20432 11250 14975 53634 78364 94042 79362 03721 16790 06941
55407 56821 97969 87759 97363 60951 28590 03869 44183 80433
59243 82861 68286 89156 28682 14838 28372 13777 83588 03218
04526 21328 68265 25929 91431 55749 75747 87523 41396 44411
65785 56981 78473 74045 64799 20959 38115 68696 21132 30083
13181 76014 83486 36057 66488 50740 11440 69291 01380 94733
03945 65832 76653 55519 01604 46829 05081 38195 39188 22861
59686 90037 30804 51594 04384 57545 62391 60120 98822 81754
48788 53220 52651 04217 80568 81786 75971 93920 75300 71998
35978 81643 42780 75123 17491 78670 15352 26829 78038 39732
24012 98935 29195 78364 09036 96859 19411 89707 44154 01083
35641 17663 77481 44150 20817 13117 80096 75990 79728 23508
99006 97451 18785 55247 33391 17939 37582 38701 94914 62305
05294 60826 01538 26022 12044 15510 12891 81465 17085 17328
51549 72742 97673 09978 76076 35945 07605 01730 01297 94104
51958 42690 32379 75996 28175 57746 17897 60656 61608 12471
22500 43773 02799 82974 40776 03203 71839 00581 46260 00779

23081 34284 38062 76998 17140 56677 28482 03412 14680 71457
98752 87485 71893 31629 36337 12989 72273 97890 13965 39915
86288 77934 08587 74136 47369 84955 37040 48923 76676 48734
93299 00415 68219 68499 52100 46557 36516 86243 09182 60247
48405 69536 79112 16821 18181 06713 12678 69352 26935 08978
95915 54544 72350 15770 18088 75035 08882 24581 86003 76001
56747 89647 36234 14138 54636 00365 97156 25285 62073 01956
86622 02860 41267 65147 70976 99708 45631 40935 23923 33818
23562 73077 82063 21586 44898 60336 76219 14244 99537 89444
98590 54632 45719 57771 40835 94511 46014 88942 80499 58278
38848 53758 17410 65846 19016 36929 29249 03905 77273 88451
80423 33452 13798 61159 45826 28417 23858 25226 58895 10076
29986 36101 26453 54465 55906 56859 91739 99400 54644 76399
32191 10691 20500 71708 11975 32339 03079 46310 17625 81037
72526 80002 20506 59196 18032 80098 57108 13843 40481 56384
43126 35524 38508 72797 24088 11777 12711 55977 40734 88271
53062 01120 03053 49457 10620 69600 59667 42194 96422 16950
06426 14434 50331 62040 43265 89728 44030 55660 30067 42607
07881 06328 45229 07670 15551 28190 18093 52878 51603 57962
38105 26781 30752 67584 01928 29052 73258 01891 88314 20288
75180 78745 94045 88087 73760 20189 22147 67431 42987 52352
59394 27375 64638 86838 87068 62078 15153

18371/17457/16279 kHz, 17-07, 0900/0920/0940 UTC
08977 00001 00000 41267

18371/17457/16279 kHz, 19-07, 0900/0920/0940 UTC
09717 00001 00000 40262

18371/17457/16279 kHz, 24-07/26-07, 0900/0920/0940 UTC
08681 00469 42452 73876 57892 07194 04968 32610 83023 02564
53126 82394 18159 05769 64577 74790 83423 01400 57326 29749
04514 42126 56619 38983 93228 25408 42100 54965 55571 75704
94937 82915 57798 05440 44080 96026 59598 52207 61446 36276
01986 26210 21318 23458 16248 97281 92476 50548 60929 56064
74376 14563 12457 57606 60034 84610 72039 31008 48278 99989
25273 11637 19154 72465 66016 42962 61422 75658 58687 19432
47272 29981 25748 30766 53104 88082 92101 06031 77901 15638
58325 58575 00499 37302 57856 30292 91281 67251 57380 57738
74973 56306 59762 89070 98176 99830 25847 38773 59911 76962
70345 27829 54842 60990 30439 36089 53140 03691 53554 86563
69697 01279 81125 50938 13168 44657 67566 62158 41979 43560
92221 00282 75503 64721 83431 80615 78812 85518 05943 68837
92561 79716 89817 92926 45659 20968 36201 54629 56161 71533
00116 12144 08429 07358 49324 69974 28118 64477 86021 83798
24015 50207 06133 71568 29101 14146 66873 93695 73571 52281
44286 03659 30398 61465 64514 43895 92000 92403 26808 95781
82518 21745 86616 25061 64005 03438 88292 45470 49065 14267
00657 28680 30876 33301 27862 80357 63383 68088 77087 24951
70351 79258 23589 25479 15507 61162 38725 83800 85860 83101
48024 69858 08863 77353 80311 32680 05063 99574 49582 83763
28517 61307 14882 76242 61586 33836 53062 43849 20437 51431
94881 52808 48535 36694 85968 42657 33341 77637 26264 14969
49616 46929 17428 66861 70912 57759 61579 46112 45253 14103
55416 16015 58532 47094 10206 00773 18580 22492 78910 50464
65541 38714 06358 25072 24405 97738 05080 56585 48800 20542
02808 03083 66226 81200 60946 58054 23817 18695 48558 39850
49348 28351 36046 20084 23382 38666 33206 66283 60568 56726
15600 60273 80360 73606 36036 88803 36568 53533 64020 55648
00969 95715 64117 24948 68166 02728 87855 50545 06602 83603
20860 60752 84178 33560 26250 03380 54874 38680 53681 42005
39451 06642 19386 44128 77199 46838 04256 64562 31407 10796
60170 99676 32810 26877 54707 79314 65707 03584 90400 90844

32613 99080 58886 86604 20363 07581 49747 49685 59530 81720
48288 03863 11632 49817 58202 20702 20074 20654 95483 48193
29900 64830 03652 48242 82192 00517 02477 41247 30609 70394
41840 85978 22912 66224 63511 76081 20845 49407 73499 26936
56754 00265 56537 58425 04325 66450 51321 18551 60380 38787
25384 20028 63603 36039 93168 42744 68688 60665 65056 54801
32800 40443 64681 82368 64185 12707 32158 92803 78366 68360
14850 88053 36700 77887 64206 83668 00066 03864 05443 66600
01807 20807 60308 03485 83081 85204 86634 18133 88660 62080
63847 82256 87600 78440 83365 58238 28055 28238 33783 01662
80332 85179 89632 32314 45870 21650 25365 63033 68335 65866
87760 75542 06864 47158 42268 33308 68038 64730 34138 88281
46184 08383 86570 08737 54866 80686 07820 66730 83610 16131
03036 66336 70823 66606 32502 66033 00537 52803 83103 68608
13828 02566

18371/17457/16279 kHz, 31-07, 0900/0920/0940 UTC

00786 00201 49269 20902 97462 87580 26226 82609 98569 27089
65608 48599 89127 13517 84478 49317 20704 14885 36660 39090
80870 56281 72288 11918 88077 66332 59871 01751 79439 79401
62967 45671 81245 40992 47568 11196 23680 01287 50243 53874
96790 33323 92278 79148 34203 72199 40337 97804 71082 07329
35259 18861 57588 70568 92397 97921 12995 37312 14739 53993
09884 81347 54831 34523 79832 10218 09363 39364 71445 30740
72132 04410 65885 30785 73127 64880 37423 29884 73359 02063
50572 15357 63751 49674 04796 37966 48144 59380 36187 36171
00713 35061 32600 41197 98683 41424 52527 80952 86791 62794
67854 95047 81098 94099 97470 95377 43073 89131 26596 34433
93506 72832 41005 56078 04619 51269 21840 69263 06073 27529
12643 60870 73622 01185 21279 97365 33313 41470 03283 51374
56489 33086 66204 53926 90790 03682 82371 24386 37844 22784
01603 93312 80239 35031 68460 38662 32992 33704 43968 04810
62037 30342 10690 10435 69324 32637 98473 45145 92149 71375
50633 83308 00629 64425 65530 16339 68931 64075 47918 96669
69451 50461 90425 07589 36038 85162 32339 42429 66663 19094
10949 12447 01369 25890 14090 19835 73153 27445 65645 78275
69669 25240 97638 71897 63515 05934 51552 06279 49311 10517
45901 80676 04150 50407

17474/16274/14574 kHz, 1800/1820/1840 UTC

17474/16274/14574 kHz, 02-07/04-07, 1800/1820/1840 UTC

04515 00145 63228 69884 16184 39940 55190 31608 19986 69321
24933 07821 70587 39813 73659 95028 90330 14047 93563 04828
17774 08673 27938 12623 51390 72408 12638 22431 08781 33455
09102 45275 05062 83661 84706 71177 66828 46080 43303 13173
67653 88175 01309 19068 96053 03944 01793 12464 76329 35394
60788 21541 19482 36950 48610 74933 62998 78809 45800 94857
46081 12285 37772 52642 95999 57288 68773 24342 52616 26112
21142 40332 19167 46801 60079 70542 35102 15984 78296 68664
65435 73311 78618 67618 47491 38876 20021 14157 20466 85266
52261 75593 45748 08100 19215 21070 56162 60741 74258 24795
66337 27365 08180 03401 87047 54625 19113 10764 17066 24481
79667 07481 14571 13271 05086 16733 13223 63176 39696 49908
42732 44278 18488 43845 36512 35640 08873 91691 60332 73152
70628 45562 30240 02459 88949 81083 47389 37285 43634 33149
21659 06151 73725 86776 16565 02950 29498 27131

17474/16274/14574 kHz, 07-07, 1800/1820/1840 UTC

07964 00001 00000 37665

13954/12154/11454 kHz, 05-07, 1500/1520/1540 UTC

09870 00164 56981 71464 56032 95218 74568 59277 71590 26012
74421 14312 53898 67375 12739 11275 82417 46540 49755 72232
79628 98481 34678 81034 17047 23884 81307 58951 33269 06077
78191 92034 30511 32995 71873 28134 39001 74544 62149 14337
27890 25459 05446 34987 29741 82822 99243 30497 42444 90559
29761 96794 50260 54247 35104 95329 26920 13817 35590 63299
07200 72947 51390 04520 45053 87743 35210 43766 85054 96251
71988 10339 60238 26860 66973 29804 56961 87862 84698 26517
46524 28800 82668 71608 12797 55608 83726 56825 87734 03169
80633 61375 44786 64211 60344 83023 02137 59651 43338 93022
89657 75588 15385 11933 71266 09205 06890 58397 38015 53649
13640 56068 39662 75896 61577 11369 39649 38064 84072 68424
98020 13737 29490 47029 01979 31659 99551 38930 84178 61691
54413 33234 07555 58909 07856 20919 86511 98557 50047 19086
43797 12629 64958 78615 81272 12352 84815 38620 01366 74640
51686 45392 00327 27228 10286 27706 54846 91658 15874 24009
34006 59730 00398 78512 94954 58032 54631

13954/12154/11454 kHz, 07-07, 1500/1520/1540 UTC

07964 00001 00000 37665

13954/12154/11454 kHz, 12-07, 1500/1520/1540 UTC

01119 00001 00000 36252

13954/12154/11454 kHz, 14-07/19-07, 1500/1520/1540 UTC

01061 00123 32531 19393 34751 18210 41525 13414 32472 55939
00823 86700 51069 38471 93170 94533 04505 92297 88373 09742
87586 44587 71508 68511 29586 25756 80270 98845 17008 69638
36537 00745 50099 00215 35586 70947 12408 99361 50363 52906
40590 87314 53013 55242 35294 41347 87327 42971 13418 81798
60148 81020 56507 99611 70289 46096 12024 35243 59442 84387
46037 95711 27580 73219 14042 24593 81454 65644 45966 90311
99634 31707 67356 47155 04976 65357 49598 60553 80448 73037
56475 64152 52385 98171 96686 35876 95842 36845 35266 22624
65044 80404 97843 13926 42849 04555 01038 65327 08646 80248
01923 10971 52518 41624 23865 90523 75545 02841 18800 73843
96277 54522 39702 92821 48552 22789 74897 67470 60430 66859
76688 46190 36265 30013 87066 34113

13954/12154/11454 kHz, 21-07, 1500/1520/1540 UTC

09545 00001 00000 36265

13954/12154/11454 kHz, 26-07, 1500/1520/1540 UTC

05709 00001 00000 41255

13954/12154/11454 kHz, 28-07, 1500/1520/1540 UTC

04634 00177 78598 25866 26792 41098 14084 24879 51814 28085
14345 08798 17636 87716 57241 94848 44091 05554 35112 54872
96418 87646 57824 38215 97923 33763 15442 57343 76782 63033
44902 66809 01888 97061 19216 87711 39608 23116 86526 60276
00594 26497 28609 37671 21121 49765 40747 90386 21071 05333
22550 87182 16928 36865 90445 03363 06020 21752 28410 38693
89482 83894 12049 49033 13429 03462 20114 10455 48011 19275
60553 77544 58155 38644 03781 94824 62162 69179 10051 41620
78459 88997 75941 80103 83082 71195 94082 81318 15163 45881
08802 85009 55941 84880 73237 39259 33082 17443 96315 70121
52641 89917 49956 44144 35248 63796 62999 32817 95778 10660
38462 29303 43959 73424 39671 55858 00441 30484 28746 91333
45635 93940 31540 47543 03238 13478 46797 61641 21869 05625
07055 57382 14926 95269 78973 77513 02966 54413 20657 38224

61074 23765 69753 38798 25291 90911 83587 84402 47805 31693
63716 13786 55952 16698 33746 59767 27851 51418 59176 68071
05810 25207 75690 54692 58740 12818 19134 18508 75295 08875
86484 89884 18028 97772 67223 94842 57442 27067 19191 12522

19345/18495/16279/ 0910/0930/0950 UTC

19345/18495/16279 kHz, 07-07/09-07, 0910/0930/0950 UTC

00795 00310 30978 18001 53292 20124 30458 02374 08148 38460
04750 52265 29975 99412 13914 48729 43407 55283 82649 03122
54105 32454 65506 72181 32748 48547 35837 12670 67162 80922
94148 39654 22849 31279 33926 12948 71306 38523 78536 13020
52064 21357 20121 34908 82005 38310 59492 07856 68450 22997
97258 89033 40701 58982 31315 03230 68788 06128 44027 98251
97853 77640 33193 92741 99914 42735 14567 05168 04874 00997
04637 15358 89007 12802 78206 92291 61446 48170 34223 26479
65525 78449 21433 76483 00421 92341 22216 57715 91372 14030
87947 69433 41425 73377 22244 49624 81980 17466 05557 61423
11970 95692 20926 33854 57314 49059 08035 33672 39462 29575
18936 08562 97009 51483 85848 81562 66262 45672 05643 29095
09530 54628 75647 93531 45802 31156 62908 21027 66040 37568
30560 25059 70787 15351 12145 96048 77855 63584 93227 41285
54821 83508 15669 78929 48778 77685 87192 85140 81650 60197
74398 70470 89791 22865 03026 27022 74876 28357 38326 78095
03075 63934 56483 58623 52027 75683 04165 35093 36468 60522
42503 40090 51859 20709 22654 33521 44622 37747 47736 76492
25131 70722 62750 72863 97534 69700 59885 65191 38290 51172
92360 50216 45506 18032 20219 09660 66988 47648 91995 76034
94857 77589 77657 34988 28074 64912 14088 33697 83203 24972
82337 63597 67728 81565 33207 26982 99714 57702 60470 37010
05561 33826 88612 11019 04333 73706 83757 54197 88598 01363
29385 53650 92139 84286 03976 47266 55840 48120 84034 70165
98006 86118 76097 28377 29852 56824 21693 36626 14703 52374
06964 42434 00379 49449 77957 12261 25746 71652 03542 46607
94007 65198 50850 32121 93450 51607 90229 01794 53165 52613
57786 12578 26488 67891 96537 18167 39709 79276 13279 82331
14741 73472 89231 33971 33595 48559 20187 60449 75828 50413
87890 20818 94571 56066 37767 70327 73173 28931 17643 57042
17629 58156 41084 32831 13492 56720 26669 87737 89219 37547
62935 65571 73776

19345/18495/16279 kHz, 14-07/16-07, 0910/0930/0950 UTC

00720 00130 84955 07721 39581 25801 77465 80907 14004 46752
44481 73774 72398 71551 27363 72243 86594 58000 77727 28270
56580 11678 79477 44306 93691 27711 03791 60883 55078 43365
34496 87809 25124 69032 54842 86685 68866 51732 74902 88031
08346 97099 52125 05923 96839 41658 37379 46140 37014 96825
54138 91977 71651 00964 48589 62506 91339 05558 15111 53499
35501 03747 18725 52284 26110 99459 28468 82240 16272 93594
51113 08844 08440 66808 42900 84175 82419 20826 31803 77338
37729 03915 05158 24605 96655 18939 20369 96322 84896 69635
77690 86319 51282 31822 33036 62451 31238 09666 49669 01953
95633 02220 45505 70515 66738 74327 77951 59363 51623 95696
66881 95850 00393 83316 00199 33333 15759 29050 40202 37442
85895 03172 40911 55526 83092 15136 87085 30644 78663 68556
53163 42583 47055

19345/18495/16279 kHz, 21-07/23-07, 0910/0930/0950 UTC

00143 00288 35404 38304 68893 50588 24179 87870 94521 56527
52882 69151 83301 17363 57693 06005 28208 35724 30391 38946
50443 48000 91805 09620 30223 25851 54098 11267 02548 76775
59072 05515 11343 43265 74065 17117 88484 50739 06166 76523
26757 34357 70895 91729 35041 07136 07084 76856 49978 01152

20346 79407 32468 91087 87277 26409 80229 95105 65024 95434
05139 00337 47683 29093 95353 87011 41746 94338 13386 72906
72578 01780 47216 73108 13396 69807 60091 55462 74419 65663
53551 87504 71367 53094 80189 31667 49375 70577 65335 61244
08535 59899 06437 38976 13703 74302 95630 01355 72534 39653
80545 81659 89649 07493 59067 40741 94264 64040 34996 46177
62930 08240 48216 72639 45991 32072 37321 84904 77264 51211
61339 90592 07288 16354 80695 42216 12290 09013 50637 67838
77224 84240 75964 32703 93205 10952 79296 90831 08766 37218
94481 73583 51151 23538 47893 64307 05119 57039 84898 53399
41820 78870 13655 18429 19953 30302 87976 46335 55791 94240
15641 76561 43963 51959 25381 42093 65521 66583 03415 04534
07349 27486 21811 06816 54744 95104 97131 50505 00126 62370
05782 87712 25333 79988 76276 34781 20556 04136 61197 91716
69573 63750 66238 50576 44315 54315 64956 38531 13326 02621
99050 08080 49595 05269 80171 15811 69201 10192 50601 94423
69131 17561 84499 10289 14328 95836 19307 81376 57848 24728
24870 16818 44834 61344 11364 80481 49333 52664 92143 65483
86555 84221 09750 05860 29011 40360 73702 78318 19540 60315
93617 68358 72895 95306 09787 66069 12197 12985 53369 32456
30703 50426 66751 25783 63252 09829 02146 78079 36851 04892
82384 40426 47564 89021 37783 54679 13230 66823 81890 36584
92491 23768 16034 63125 26106 45160 25378 67516 92163 92422
16936 88307 93001 76019 89640 09493 32583 33289 32783 77241
24105

19345/18495/16279 kHz, 28-07/30-07, 0910/0930/0950 UTC

00846 00651 10915 52561 87051 79066 20672 17268 75739 75015
76671 33216 07729 93104 48759 91590 34820 62373 72567 16851
09749 07484 11398 04847 05551 38948 52218 86126 71233 45480
99077 19864 52586 40966 42140 55905 92683 56814 91177 45462
23186 24005 53151 59115 75570 72694 67619 14299 24787 43444
83601 15565 36203 68413 79342 35812 51323 03463 59038 98318
71405 17343 47300 11999 23911 62977 97637 22478 96301 40337
42622 78591 52507 71638 48538 09789 21271 99634 01367 61952
60353 07441 95556 23004 71571 96152 24801 55507 10611 77642
90465 64745 50533 08625 43801 70778 19156 77495 15046 41441
13468 91067 33205 71725 96041 83501 64011 66989 75750 99229
37249 69799 19149 01086 66536 47973 44220 56043 10163 97349
38720 91587 94337 49140 08538 34876 48047 13493 68679 40983
17237 36422 65695 73814 65510 50801 49221 10173 56994 99296
18341 09260 00978 04343 46117 90712 99101 85984 94584 62599
69118 81635 88603 88224 43054 53041 83649 01361 23858 37567
30828 78706 68431 83528 27803 78853 00702 45117 61081 52355
49911 42462 83662 59436 49431 24641 91494 55060 09138 86272
36481 66310 37690 14954 05853 33409 66830 11078 61467 04726
60409 46274 46392 56910 94679 37030 68357 83451 71625 63690
81064 90449 82818 86897 34647 98839 16346 45750 21664 47003
72414 86728 87108 82997 48820 25388 20166 02522 65940 12808
54113 58945 92692 03076 12179 47390 74110 55972 26234 28629
62024 72983 99774 51218 11915 13840 35394 43252 49683 52838
51583 85626 82234 77398 45894 36691 19323 55566 09340 64326
96478 15498 45713 02094 51548 41260 02150 60272 10627 62708
86698 16964 68309 71557 77228 01408 91560 68313 65417 11866
36034 39679 44470 79018 33720 55758 21428 46030 89300 86639
25088 66184 08942 44048 58390 99767 36671 75947 61028 24121
38374 10686 26444 26361 47067 56972 45772 32663 22229 41618
93366 60440 33294 04167 87780 43557 43800 55289 09581 36538
42536 33286 97324 35293 86167 63923 23718 23888 83613 40131
33737 91750 61548 73820 38592 35380 09580 70773 90832 09233
72093 12636 42044 97360 51518 75225 28754 07105 00469 96214
72454 94914 30057 17239 43262 96404 30018 18123 68319 76986
11169 78214 16170 57362 43336 68365 65859 32519 64317 14523

83588 33647 30727 48957 67693 67275 08477 79686 43716 48327
03500 31276 65629 29000 95319 76925 77534 30436 04990 59021
94125 78736 74817 10718 05995 65820 88070 49488 78151 71537
83350 19867 73813 48825 84394 64134 34107 20003 45930 00147
83887 51270 98143 61355 15504 37438 04867 82220 57031 49681
96271 92481 17730 27819 38575 38059 51688 06471 79510 10418
07686 65795 27161 49468 15520 03231 92962 20720 76625 54319
00322 41975 98454 12289 08008 52027 40272 17355 94135 15365
84268 39498 64658 99267 55038 71633 45190 10133 83451 52952
34955 54420 64752 04978 15512 42732 09204 58572 89590 88539
16810 31229 42198 51714 27800 23101 91611 73703 24005 53587
06343 52556 93384 85108 77168 57604 68213 12903 91802 93459
09018 64693 90426 52416 60899 40959 18037 40284 43270 42783
99817 59630 54813 41837 74894 57562 74105 05815 07108 57202
74857 61802 06790 88202 00571 31291 41504 31713 91090 50795
66566 65946 29047 59523 48544 52968 71994 49779 82334 17930
72218 86016 74132 45155 30285 00250 87623 16686 60174 57694
90285 43470 23279 02621 33102 26675 94701 37705 66144 18447
43560 72191 04111 72418 00104 83446 49643 40073 22007 40719
64582 60879 53133 55499 66726 91539 78227 33728 85799 92634
79110 98085 32543 86984 71945 25776 15831 94752 29489 73042
31845 25388 88642 34758 94082 61888 06088 05756 67311 02400
36462 94110 39833 66497 12867 85999 08477 83211 08759 76253
45278 44170 22080 95864 13526 88816 73349 05392 75701 11480
20184 78716 89508 24340 07977 13213 60913 60177 83122 53696
73983 17359 15512 99475 19186 62551 40960 38268 63476 51752
76090 68998 30197 12099 38919 34919 67824 06948 38100 92522
23178 88173 66243 55689 37894 28924 79797 10246 06122 16562
22075 33090 22326 89277 53162 21733 78639 17141 03472 19267
14485 67476 44099 01006

Exercise / test traffic

We mention this one last month as being active but it appears that we also had the transcript, so here is it now:

13418/12163/11477 kHz, 09-06, 1400/1410/1420 UTC

12122/11504/10750 kHz, 09-06, 1430/1440/1450 UTC

00521 00112 98029 62777 23694 13899 05006 75227 32201 22566
10257 73132 92784 63862 04086 86860 97440 35284 42728 85022
23995 07431 85406 74666 53013 82373 34929 52880 95985 12359
15903 40187 86148 65491 97740 41626 19249 97445 27543 21130
53282 10662 59542 00704 51916 69787 73607 13346 81264 28826
94774 55502 88627 92869 10851 38161 41255 23363 09764 41320
78969 52125 79240 19841 06663 70069 86983 27292 66120 62458
67610 99993 07741 21597 31739 13333 47887 84701 22750 83225
08765 21583 71614 67158 17584 60399 51558 93278 54640 59579
00371 95884 87681 86222 42160 01157 31420 39701 94039 81846
82802 46315 47224 18806 61215 94780 47760 67029 61129 97516
90272 56552 00613 26538 17623

Also in July, a number of test/training transmissions were heard.

8168/9193/10559/11504/12141/13526 kHz, 28-07, 0600/0610/0620/0630/0640/0650 UTC

08442 00125 77740 18778 62770 67124 55201 60299 67641 17521
62701 56480 90949 73263 58617 05955 88401 51100 53718 43678
00706 26644 61179 73659 83019 29445 62328 84051 11496 37301
08060 74991 02172 68570 87796 45508 59241 56579 18910 86071
70147 55855 51582 05537 44301 46472 49967 53847 94481 73129
44399 74995 88296 07521 47468 32238 66036 04080 35758 33324
04796 71148 48803 30340 09460 87708 54307 22379 85466 13109
46712 31821 32190 67645 73540 44840 75060 55641 19357 36546
79477 08480 89568 38365 01861 33064 86693 94649 21101 55548
79371 55160 20821 85585 81275 98987 07062 21232 96075 66592

92163 27587 68380 81372 26417 03618 42805 20650 33980 02628
57186 10395 83721 99210 53836 96314 81579 10437 28478 76495
01014 59656 01727 29918 33637 91550 10999 71061

8168/9193/10559/11504/12141/13526 kHz, 29-07, 0800/0810/0820/0830/0840/0850 UTC

04022 00135 12485 86865 79717 98173 05627 77044 13724 15107
07935 63906 16677 93070 82925 72245 57207 25994 86669 75881
32630 94492 33482 30109 57141 88320 43410 21775 98357 29463
47694 76511 80235 90426 30424 32788 25910 53298 86989 59476
10181 19235 74414 90504 02016 37910 54043 86901 84555 81247
25731 23728 10552 19191 61778 71046 44640 82374 29723 91396
54763 83850 78686 84260 67411 31422 83670 26249 62645 50136
46334 03909 39993 27192 65699 13395 20077 42976 28093 09231
34277 56507 37218 17110 03731 23966 65959 61043 28647 59377
88147 43535 23574 95592 04713 26333 40548 90153 23093 70592
64239 27793 24256 34419 34912 21822 84723 83358 53491 48383
50968 01663 54280 20392 57118 98254 46631 61575 80528 43444
65462 22626 97600 03268 61988 02799 80333 43410 22479 39369
72845 29922 19882 57499 44990 06483 32251 15061

8168/9193/10559/11504/12141/13526 kHz, 29-07, 1000/1010/1020/1030/1040/1050 UTC

09647 00122 77119 09642 51488 13994 28374 50115 33106 01718
18988 29884 76712 07944 83770 55782 10390 64801 38628 45929
80282 46961 63216 40865 16164 29915 66092 25424 35940 43638
12451 30160 08803 65031 33002 33742 22513 70379 68586 02616
52604 58664 42171 06064 51816 61566 52674 61614 45518 47076
94200 23931 36010 02397 41817 18684 49172 36254 93477 21573
47900 02950 14175 89457 89266 88827 21081 11680 74941 50027
33269 40010 96214 36012 93323 22218 04789 57152 89047 54597
77239 04478 79904 88863 49446 88518 94149 06406 22214 14317
84568 86257 76901 47013 54714 49654 43888 52713 16796 62988
40484 40994 86672 95489 13806 54189 27716 99996 09072 19599
13895 92019 47206 38879 44332 44342 23045 25310 40010 00748
94677 14675 88464 60623 23663

8168/9193/10559/11504/12141/13526 kHz, 29-07, 1200/1210/1220/1230/1240/1250 UTC

09924 00131 40830 28731 19138 84553 60783 10405 94169 18460
76666 33005 60210 92581 49078 47907 38957 14321 44526 97573
76012 54800 47858 11114 63083 40960 83907 15312 19441 67319
72596 19918 33671 59028 38587 58254 84473 36602 61994 90827
28740 79580 97145 49062 08257 30418 43351 08930 76374 83607
12014 98564 53808 56861 62454 16014 07758 29714 65647 78176
00645 45471 90962 26850 45863 56247 00344 01181 53993 90822
63433 02355 52326 53697 68832 96430 57653 98794 02857 32664
97508 74976 38836 35833 55305 74030 66109 76808 96573 22573
50496 54758 70954 83816 90081 83268 88616 70295 03198 52008
30074 42269 54936 85550 20174 09659 46238 00110 88027 66022
58359 08962 26857 32982 80667 25668 06534 55128 71544 71832
90137 23534 04607 31419 40326 08674 31499 68508 63515 85563
07813 87357 95596 25460

8168/9193/10559/11504/12141/13526 kHz, 31-07-2025, 0600/0610/0620/0630/0640/0650 UTC

05230 00138 78060 63600 88780 83804 08084 82186 53293 88864
82277 01453 61328 07233 45804 08848 88803 12802 30080 07238
00352 24814 85086 30847 73280 55330 08800 48180 51662 08122
22220 65863 16308 35867 08850 46456 88563 50556 32606 68705
88865 58702 84732 16552 00630 38733 80824 78334 27446 88386
03055 87385 33086 56883 23056 23353 06328 46003 88308 33348
63883 58802 30533 33170 66633 26313 85045 25560 87382 88346
00283 48347 80185 71373 08262 52648 30080 68633 21306 34547
64516 30365 20633 53264 06066 34833 22877 58323 12800 85385
30028 52450 61245 88256 85700 38062 28067 50560 38807 83326
54686 65362 82030 28088 87003 53707 07080 70700 48720 70306

83370 37783 24806 54662 78830 33607 38068 77268 38004 30800
03335 25620 12650 00886 58308 58830 88000 80837 65660 68088
23380 78508 28826 36878 78848 88052 48333 82633 66150 52358
46046

8168/9193/10559/11504/12141/13526 kHz, 31-07-2025, 0800/0810/0820/0830/0840/0850 UTC

02169 00135 58613 07972 60896 40847 98971 22012 40612 61138
99875 89959 68663 51389 94077 83248 65769 86792 03487 88256
02749 55952 46217 00608 45856 54566 52633 83803 87624 60526
69443 83513 53037 43720 67029 22094 88317 19033 76607 57224
02423 48544 59320 02217 92462 12749 41782 51377 11753 58945
74390 07183 41201 37405 85401 08111 30601 58004 62115 06329
88213 15168 34386 80085 91693 16361 36922 24943 84359 71982
94930 46735 10184 46261 85832 54204 96630 43999 08145 33106
12784 01255 72049 28678 86135 62259 42312 15631 58317 58917
91492 30312 56917 70278 69009 87254 14157 79234 10522 76101
75826 16838 67017 39769 64014 27654 96997 94938 51572 31197
11480 86600 49859 29008 93543 86958 43117 05708 93948 29433
74048 21290 66624 25441 80489 64617 89816 39905 77250 98577
40046 17395 33476 32043 57279 95944 34236 41465

8168/9193/10559/11504/12141/13526 kHz, 31-07-2025, 1000/1010/1020/1030/1040/1050 UTC

01689 00134 71146 72839 64100 05043 01538 83087 59581 17074
89135 52413 43815 79683 38077 46099 26971 95434 65641 20670
95977 13542 08509 46147 22127 05834 89084 31287 76571 91803
26513 42717 67224 48061 15693 39716 29827 18501 82666 64209
32025 24366 07848 42894 10786 99246 32615 06321 70769 54635
09240 94241 51986 51900 45340 77893 63005 24998 50712 58265
15958 70249 06515 67776 90560 46418 85188 95753 63989 98360
16272 08470 12768 01432 88643 71610 05693 65614 35361 22879
73218 82762 60516 21936 82563 32270 90729 15324 02720 37799
76709 04828 67787 24400 48250 61774 17850 40070 52333 64367
14058 36861 42331 72408 38363 00769 81473 50554 63255 73728
72199 97390 89636 27833 85046 33195 09732 84578 85212 58289
55687 69863 93032 26189 21650 11443 40681 88366 53180 26868
53759 65621 13281 70993 08820 36357 65374

8168/9193/10559/11504/12141/13526 kHz, 31-07-2025, 1200/1210/1220/1230/1240/1250 UTC

02453 00139 33970 75931 32184 29705 62072 96089 49434 30878
75290 34308 76878 09973 09270 04468 02447 34014 36167 21058
06993 79742 43078 68523 99209 97149 45787 32416 89767 63993
47232 63477 86208 40822 35401 50408 66086 00491 73977 08641
61449 39105 08747 87451 07846 62379 62459 95175 88478 62474
39464 96762 56401 86942 29513 00993 53329 65446 76720 35033
83916 29655 06321 85440 83644 11812 48098 36056 74570 58860
38381 01955 60036 27526 59608 67887 70995 55626 60676 36829
34690 50610 43937 27293 24528 50469 07076 99265 11308 34407
97078 00639 23769 38943 24723 31793 32783 23306 03807 96033
14281 26402 20604 29617 24093 37508 36725 28875 27333 61625
29997 97702 04769 39891 00343 33306 85717 79026 60911 33175
04735 48831 24748 40162 61780 37741 78185 21093 02802 27814
35103 47689 51819 64642 22548 08287 30005 14319 03200 87019
13743 14555

XPB1

18687/ 01-07/07-07/08-07/14-07/15-07/21-07/22-07/28-07/29-07, 0500 UTC
18287/ 01-07/07-07/08-07/14-07/15-07/21-07/22-07/28-07/29-07, 0510 UTC
16287/ 01-07/07-07/08-07/14-07/15-07/21-07/22-07/28-07/29-07, 0520 UTC
15887/ 01-07/07-07/08-07/14-07/15-07/21-07/22-07/28-07/29-07, 0530 UTC
14487/ 01-07/07-07/08-07/14-07/15-07/21-07/22-07/28-07/29-07, 0540 UTC
13387/ 01-07/07-07/08-07/14-07/15-07/21-07/22-07/28-07/29-07, 0550 UTC

20024/ 01-07/04-07/08-07/11-07/15-07/22-07/25-07, 1300 UTC
 19224/ 01-07/04-07/08-07/11-07/15-07/22-07/25-07, 1310 UTC
 18324/ 01-07/04-07/08-07/11-07/15-07/22-07/25-07, 1320 UTC
 17424/ 01-07/04-07/08-07/11-07/15-07/22-07/25-07, 1330 UTC
 16324/ 01-07/04-07/08-07/11-07/15-07/22-07/25-07, 1340 UTC
 15824/ 01-07/04-07/08-07/11-07/15-07/22-07/25-07, 1350 UTC

13884/ 02-07/05-07/10-07/12-07/16-07/19-07, 1100 UTC
 13384/ 02-07/05-07/10-07/12-07/16-07/19-07, 1110 UTC
 12184/ 02-07/05-07/10-07/12-07/16-07/19-07, 1120 UTC
 11854/ 02-07/05-07/10-07/12-07/16-07/19-07, 1130 UTC
 11084/ 02-07/05-07/10-07/12-07/16-07/19-07, 1140 UTC
 10854/ 02-07/05-07/10-07/12-07/16-07/19-07, 1150 UTC
 Not found on 23-07 and 26-07

Test / training transmissions

The following belated May and June logs were all part of the Russian test/training transmissions aired from 30 May till 20 June.
 All logs were submitted by PY.

15821 kHz	30-05	0550 UTC	
18422/17418/15937/14487 kHz	30-05	0720/0730/0740/0750 UTC	~7m TX
19371/16343/14968/13553/12224 kHz	30-05	0910/0920/0930/0940/0950 UTC	~7m TX
16344/15881/14487/13942/12171/10346 kHz	30-05	1100/1110/1120/1130/1140/1150 UTC	~7m TX
13437/12181/11572/11157/10449/10288 kHz	30-05	1300/1310/1320/1330/1340/1350 UTC	~7m TX
15831/14807/13963/13399/12117/11467 kHz	30-05	1500/1510/1520/1530/1540/1550 UTC	~7m TX
15891/14671/13921/13399/12168/11416 kHz	30-05	1700/1710/1720/1730/1740/1750 UTC	~7m TX
16302/15804/14529/13485/12109/11514 kHz	30-05	1900/1910/1920/1930/1940/1950 UTC	~7m TX
14421/13484/12114/11514/10414 kHz	30-05	2110/2120/2130/2140/2150 UTC	~7m TX
17457/16236/15835 kHz	31-05	0430/0440/0450 UTC	32Bd (rest of the cycle NRH)
20184/19583/18559/17472/16131/15836 kHz	31-05	0600/0610/0620/0630/0640/0650 UTC	32Bd, ~5m TX
20322/19613/18392/17423/14923/13402 kHz	31-05	0800/0810/0820/0830/0840/0850 UTC	32Bd, ~8m TX
17474/16284/15887/14612/13551/11591 kHz	31-05	1000/1010/1020/1030/1040/1050 UTC	32Bd, ~5m TX
13564/12147/11586/11144/10387/10384 kHz	31-05	1200/1210/1220/1230/1240/1250 UTC	32Bd, ~5m TX
13564/13364/12129/11548/11169/10284 kHz	31-05	1400/1410/1420/1430/1440/1450 UTC	32Bd, ~5m TX
15836/14953/13949/13362/12165/11597 kHz	31-05	1600/1610/1620/1630/1640/1650 UTC	32Bd, ~5m TX
14979/14517/13439/12129/11573/10285 kHz	31-05	1800/1810/1820/1830/1840/1850 UTC	32Bd, ~5m TX
16298/15803/14454/13384/12116/11541 kHz	31-05	2000/2010/2020/2030/2040/2050 UTC	32Bd, ~5m TX
13561/12171/11143 kHz	31-05	2200/2220/2240 UTC	32Bd, ~13m TX
17454/15821 kHz	01-06	0540/0550 UTC	
18422/17418/15937/14487 kHz	01-06	0720/0730/0740/0750 UTC	32Bd, ~7m TX
19371/16343/14968/13553/12224 kHz	01-06	0910/0920/0930/0940/0950 UTC	32Bd, ~8m TX
16344/15881/14487/13942/12171/10346 kHz	01-06	1100/1110/1120/1130/1140/1150 UTC	32Bd, ~7m TX
13437/12181/11572/11157/10449/10288 kHz	01-06	1300/1310/1320/1330/1340/1350 UTC	32Bd, ~7m TX
15831/14807/13963/13399/12117/11467 kHz	01-06	1500/1510/1520/1530/1540/1550 UTC	32Bd, ~7m TX
15891/14671/13921/13399/12168/11416 kHz	01-06	1700/1710/1720/1730/1740/1750 UTC	32Bd, ~7m TX
16302 kHz	01-06	1900 UTC	~7m TX
14904/14421/13484/12114/11514/10414 kHz	01-06	2100/2110/2120/2130/2140/2150 UTC	~7m TX
18256/17454/15821 kHz	02-06	0530/0540/0550 UTC	~7m TX
20841/19593/18422/17418/15937/14487 kHz	02-06	0700/0710/0720/0730/0740/0750 UTC	32Bd, ~7m TX
19371/16343/14968/13553/12224 kHz	02-06	0910/0920/0930/0940/0950 UTC	32Bd, ~8m TX
16344/15881/14487/13942/12171/10346 kHz	02-06	1100/1110/1120/1130/1140/1150 UTC	32Bd, ~7m TX
13437/12181/11572/11157/10449/10288 kHz	02-06	1300/1310/1320/1330/1340/1350 UTC	32Bd, ~7m TX
15831/14807/13963/13399/12117/11467 kHz	02-06	1500/1510/1520/1530/1540/1550 UTC	32Bd, ~7m TX
15891/14671/13921/13399/12168/11416 kHz	02-06	1700/1710/1720/1730/1740/1750 UTC	32Bd, ~7m TX
16302 kHz	02-06	1900 UTC	32Bd
10414 kHz	02-06	2150 UTC	32Bd

17457/16236/15835 kHz	03-06 0430/0440/0450 UTC	(rest of the cycle NRH)
17472/16131/15836 kHz	03-06 0630/0640/0650 UTC	32Bd, ~7m TX (rest NRH)
18392/17423/14923/13402 kHz	03-06 0820/0830/0840/0850 UTC	32Bd, ~8m TX (rest NRH)
17474/16284/15887/14612/13551/11591 kHz	03-06 1000/1010/1020/1030/1040/1050 UTC	32Bd, ~7m TX
13564/12147/11586/11144/10387/10384 kHz	03-06 1200/1210/1220/1230/1240/1250 UTC	32Bd, ~7m TX
13564/13364/12129/11548/11169/10284 kHz	03-06 1400/1410/1420/1430/1440/1450 UTC	32Bd, ~7m TX
15836/14953/13949/13362/12165/11597 kHz	03-06 1600/1610/1620/1630/1640/1650 UTC	32Bd, ~7m TX
14979/14517/13439/12129/11573/10285 kHz	03-06 1800/1810/1820/1830/1840/1850 UTC	32Bd, ~7m TX
16298/15803/14454/13384/12116/11541 kHz	03-06 2000/2010/2020/2030/2040/2050 UTC	32Bd, ~7m TX
13561/13442/12171/11547/11143/10484 kHz	03-06 2200/2210/2220/2230/2240/2250 UTC	32Bd, ~7m TX
20562/20499/19284/18256/17454/15821 kHz	04-06 0500/0510/0520/0530/0540/0550 UTC	32Bd, ~7m TX
20841/19593/18422/17418/15937/14487 kHz	04-06 0700/0710/0720/0730/0740/0750 UTC	32Bd, ~7m TX
20929/19371/16343/14968/13553/12224 kHz	04-06 0900/0910/0920/0930/0940/0950 UTC	32Bd, ~8m TX
16344/15881/14487/13942/12171/10346 kHz	04-06 1100/1110/1120/1130/1140/1150 UTC	32Bd, ~8m TX
13437/12181/11572/11157/10449/10288 kHz	04-06 1300/1310/1320/1330/1340/1350 UTC	32Bd, ~7m TX
15831/14807/13963/13399/12117/11467 kHz	04-06 1500/1510/1520/1530/1540/1550 UTC	32Bd, ~7m TX
15891/14671/13921/13399/12168/11416 kHz	04-06 1700/1710/1720/1730/1740/1750 UTC	32Bd, ~7m TX
16302/15804/14529/13485/12109/11514 kHz	04-06 1900/1910/1920/1930/1940/1950 UTC	32Bd
14421/12114/11514 kHz	04-06 2110/2130/2140 UTC	32Bd
17457/16236/15835 kHz	05-06 0430/0440/0450 UTC	(rest of the cycle NRH)
20184/19583/18559/17472/16131/15836 kHz	05-06 0600/0610/0620/0630/0640/0650 UTC	~7m TX
20322/19613/18392/17423/14923/13402 kHz	05-06 0800/0810/0820/0830/0840/0850 UTC	~7m TX
17474/16284/15887/14612/13551 kHz	05-06 1000/1010/1020/1030/1040 UTC	~7m TX (1050 UTC NRH)
13564/12147/11586/11144/10387/10384 kHz	05-06 1200/1210/1220/1230/1240/1250 UTC	~4m30s TX
13564/13364/12129/11548/11169/10284 kHz	05-06 1400/1410/1420/1430/1440/1450 UTC	~7m TX
15836/14953/13949/13362/12165 kHz	05-06 1600/1610/1620/1630/1640 UTC	~7m TX (1650 UTC NRH)
14979/14517/13439/12129/11573/10285 kHz	05-06 1800/1810/1820/1830/1840/1850 UTC	~7m TX
16298/15803/14454/13384/12116/11541 kHz	05-06 2000/2010/2020/2030/2040/2050 UTC	~7m TX
13561/13442/12171/11547/11143/10484 kHz	05-06 2200/2210/2220/2230/2240/2250 UTC	~7m TX
18256/17454/15821 kHz	06-06 0530/0540/0550 UTC	~7m TX
20841/19593/18422/17418/15937/14487 kHz	06-06 0700/0710/0720/0730/0740/0750 UTC	~7m TX
20929/19371/16343/14968/13553/12224 kHz	06-06 0900/0910/0920/0930/0940/0950 UTC	~7m TX
16344/15881/14487/13942/12171/10346 kHz	06-06 1100/1110/1120/1130/1140/1150 UTC	~7m TX
13437/12181/11572/11157/10449/10288 kHz	06-06 1300/1310/1320/1330/1340/1350 UTC	~4m30s TX ¹⁾
15831/14807/13963/13399/12117/11467 kHz	06-06 1500/1510/1520/1530/1540/1550 UTC	~7m TX ²⁾
15891/14671/13921/13399/12168/11416 kHz	06-06 1700/1710/1720/1730/1740/1750 UTC	~7m TX
16302/15804/14529/13485/12109/11514 kHz	06-06 1900/1910/1920/1930/1940/1950 UTC	~7m TX
14904/14421/13484/12114/11514/10414 kHz	06-06 2100/2110/2120/2130/2140/2150 UTC	~7m TX
20514/19638/18656/17457/16236/15835 kHz	07-06 0400/0410/0420/0430/0440/0450 UTC	32Bd
20184/19583/18559/17472/16131/15836 kHz	07-06 0600/0610/0620/0630/0640/0650 UTC	32Bd
20322/19613/18392/17423/14923/13402 kHz	07-06 0800/0810/0820/0830/0840/0850 UTC	32Bd, ~7m TX
17474/16284/15887/14612/13551/11591 kHz	07-06 1000/1010/1020/1030/1040/1050 UTC	32Bd, ~7m TX
13564/12147/11586/11144/10387/10384 kHz	07-06 1200/1210/1220/1230/1240/1250 UTC	32Bd, ~7m TX
13564/13364/12129/11548/11169/10284 kHz	07-06 1400/1410/1420/1430/1440/1450 UTC	32Bd, ~7m TX ⁵⁾
15836/14953/13949/13362/12165/11597 kHz	07-06 1600/1610/1620/1630/1640/1650 UTC	32Bd, ~8m TX
14979/14517/13439/12129/11573/10285 kHz	07-06 1800/1810/1820/1830/1840/1850 UTC	32Bd, ~7m TX
16298/15803/14454/13384/12116/11541 kHz	07-06 2000/2010/2020/2030/2040/2050 UTC	32Bd, ~7m TX
11547/11143/10484 kHz	07-06 2230/2240/2250 UTC	32Bd, ~7m TX (rest NRH)
20499/19284/18256/17454/15821 kHz	08-06 0510/0520/0530/0540/0550 UTC	32Bd, ~7m TX
20841/19593/18422/17418/15937/14487 kHz	08-06 0700/0710/0720/0730/0740/0750 UTC	32Bd, ~7m TX
20929/19371/16343/14968/13553/12224 kHz	08-06 0900/0910/0920/0930/0940/0950 UTC	32Bd, ~7m TX
16344/15881/14487/13942/12171/10346 kHz	08-06 1100/1110/1120/1130/1140/1150 UTC	32Bd, ~7m TX
13437/12181/11572/11157/10449/10288 kHz	08-06 1300/1310/1320/1330/1340/1350 UTC	32Bd, ~7m TX
15831/14807/13963/13399/12117/11467 kHz	08-06 1500/1510/1520/1530/1540/1550 UTC	32Bd, ~7m TX
15891/14671/13399/12168/11416 kHz	08-06 1700/1710/1730/1740/1750 UTC	32Bd, ~8m TX ³⁾
16302/15804/14529/13485/12109 kHz	08-06 1900/1910/1920/1930/1940 UTC	32Bd, ~7m TX ⁴⁾
14904/14421/13484/12114/11514/10414 kHz	08-06 2100/2110/2120/2130/2140/2150 UTC	32Bd, ~7m TX

15821 kHz	09-06 0550 UTC	
18422/17418/15937/14487 kHz	09-06 0720/0730/0740/0750 UTC	32Bd, ~7m TX
20929/19371/16343/14968/13553/12224 kHz	09-06 0900/0910/0920/0930/0940/0950 UTC	32Bd, ~7m TX
16344/15881/14487/13942/12171/10346 kHz	09-06 1100/1110/1120/1130/1140/1150 UTC	32Bd, ~7m TX
13437/12181/11572/11157/10449/10288 kHz	09-06 1300/1310/1320/1330/1340/1350 UTC	32Bd, ~7m TX
15831/14807/13963/13399/12117/11467 kHz	09-06 1500/1510/1520/1530/1540/1550 UTC	32Bd, ~7m TX
15891/14671/13921/13399/12168/11416 kHz	09-06 1700/1710/1720/1730/1740/1750 UTC	32Bd, ~7m TX
16302/15804/14529/13485/12109/11514 kHz	09-06 1900/1910/1920/1930/1940/1950 UTC	32Bd, ~8m TX
14904/14421/13484/12114/11514/10414 kHz	09-06 2100/2110/2120/2130/2140/2150 UTC	32Bd, ~7m TX

- 1) 1300z: cut off after ~2m, 1320z TX cut off after ~1m
2) 1540z: instant failure upon startup
3) 1720z: no transmission
4) 1950z: no transmission
5) 1400z and 1420z TX cut

X-- Russian intel.

14375 kHz, 22-07, 0535 UTC, MFSK-13/MFSK-21

DIPLOMATIC STATIONS

Diplomatic stations: Bulgaria

14755 kHz, 11-07, 0823 UTC, RFSM-8000
17440 kHz, 11-07, 1225 UTC, RFSM-8000
18455 kHz, 11-07, 1258 UTC, RFSM-8000
14755 kHz, 16-07, 0822 UTC, RFSM-8000
17440 kHz, 16-07, 1221 UTC, RFSM-8000
18455 kHz, 16-07, 1254 UTC, RFSM-8000
13365 kHz, 17-07, 1232 UTC, RFSM-8000
14755 kHz, 17-07, 0822 UTC, RFSM-8000
17440 kHz, 17-07, 1231 UTC, RFSM-8000
18455 kHz, 17-07, 1258 UTC, RFSM-8000
14755 kHz, 18-07, 0823 UTC, RFSM-8000
18455 kHz, 18-07, 1254 UTC, RFSM-8000
14786 kHz, 18-07, 1026 UTC, RFSM-8000
14755 kHz, 22-07, 0904 UTC, RFSM-8000
18455 kHz, 22-07, 1256 UTC, RFSM-8000

Diplomatic stations: North Korea

18530 kHz, 01-07, 0503 UTC, DPRK-ARQ 1200/600 LSB	DPRK embassy Rome wkg DPRK embassy Moscow
16120 kHz, 03-07, 0633 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Rome
14300 kHz, 09-07, 0730 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Berlin
14300 kHz, 11-07, 0727 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Berlin
16120 kHz, 22-07, 1238 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Rome
16252 kHz, 25-07, 0710 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneve
13300 kHz, 25-07, 0735 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneve

Diplomatic stations: Russia

19511 kHz, 03-07, 0730 UTC, MFSK-6	MFA Moscow clg 314265: Russian embassy Antananarivo
14824 kHz, 04-07, 1018 UTC, MFSK-6	MFA Moscow clg 625413: Russian embassy Tel Aviv
11156 kHz, 11-07, 0635 UTC, Serdolik v2	Russian diplo. Selcal
15728 kHz, 11-07, 0637 UTC, Serdolik v2	Russian diplo. Selcal
11156 kHz, 11-07, 0638 UTC, Serdolik v2	Russian diplo. Selcal
11156 kHz, 11-07, 0641 UTC, Serdolik v2	Russian diplo. Selcal
15728 kHz, 11-07, 0642 UTC, Serdolik v2	Russian diplo.

11555 kHz, 11-07, 0650 UTC, MFSK-6
 11158 kHz, 11-07, 0642 UTC, Serdolik v2
 11158 kHz, 11-07, 0654 UTC, Serdolik v2
 15728 kHz, 11-07, 0654 UTC, Serdolik v2
 15726 kHz, 11-07, 0654 UTC, Serdolik v2
 12193 kHz, 11-07, 0817 UTC, MFSK-66
 12178 kHz, 11-07, 0818 UTC, MFSK-66
 11556 kHz, 11-07, 0824 UTC, MFSK-6
 12177 kHz, 11-07, 0829 UTC, MFSK-6
 12193 kHz, 11-07, 0834 UTC, MFSK-66
 9286 kHz, 11-07, 0839 UTC, MFSK-66
 19235 kHz, 14-07, 0939 UTC, MFSK-6
 14454 kHz, 16-07, 0637 UTC, Serdolik v2
 14452 kHz, 16-07, 0638 UTC, Serdolik v2
 15819 kHz, 16-07, 0647 UTC, MFSK-6
 14405 kHz, 16-07, 0652 UTC, MFSK-6/AM
 12150 kHz, 16-07, 0701 UTC, MFSK-6
 16115 kHz, 16-07, 1111 UTC, MFSK-6
 18197 kHz, 17-07, 0914 UTC, MFSK-6
 10453 kHz, 21-07, 0723 UTC, MFSK-6
 12228 kHz, 21-07, 0737 UTC, MFSK-66
 10414 kHz, 21-07, 0761 UTC, MFSK-66
 13395 kHz, 21-07, 0809 UTC, MFSK-6
 11071 kHz, 22-07, 0801 UTC, Serdolik v2
 13420 kHz, 22-07, 0806 UTC, MFSK-6
 17523 kHz, 22-07, 0810 UTC, MFSK-6
 14970 kHz, 22-07, 0956 UTC, Serdolik v2
 12164 kHz, 22-07, 1003 UTC, 112-tone modem
 14970 kHz, 22-07, 1006 UTC, Serdolik v2
 14970 kHz, 22-07, 1024 UTC, Serdolik v2
 14970 kHz, 22-07, 1038 UTC, Serdolik v2
 17470 kHz, 22-07, 1029 UTC, MFSK-6
 11071 kHz, 22-07, 0805 UTC, Serdolik v2
 20811 kHz, 22-07, 1002 UTC, Serdolik v2
 20811 kHz, 22-07, 1004 UTC, Serdolik v2
 14970 kHz, 22-07, 1006 UTC, Serdolik v2
 20811 kHz, 22-07, 1017 UTC, Serdolik v2
 20815 kHz, 22-07, 1019 UTC, Serdolik v2
 20811 kHz, 22-07, 1021 UTC, Serdolik v2
 20815 kHz, 22-07, 1022 UTC, Serdolik v2
 14970 kHz, 22-07, 1024 UTC, Serdolik v2
 17470 kHz, 22-07, 1029 UTC, MFSK-6
 20815 kHz, 22-07, 1035 UTC, Serdolik v2
 19612 kHz, 22-07, 1036 UTC, Serdolik v2
 14970 kHz, 22-07, 1038 UTC, Serdolik v2
 20815 kHz, 22-07, 1039 UTC, Serdolik v2
 20815 kHz, 22-07, 1047 UTC, Serdolik v2
 12071 kHz, 23-07, 0602 UTC, 112-tone modem
 12071 kHz, 23-07, 0608 UTC, 112-tone modem
 10814 kHz, 23-07, 0732 UTC, MFSK-6
 11152 kHz, 23-07, 0758 UTC, Serdolik v2
 13460 kHz, 23-07, 0737 UTC, MFSK-66
 13419 kHz, 23-07, 0810 UTC, MFSK-6
 13419 kHz, 23-07, 0811 UTC, MFSK-6
 20334 kHz, 23-07, 0827 UTC, MFSK-6
 18177 kHz, 23-07, 0829 UTC, MFSK-6
 9288 kHz, 25-07, 0826 UTC, MFSK-66
 9288 kHz, 25-07, 0826 UTC, MFSK-66
 10653 kHz, 25-07, 0821 UTC, MFSK-6
 11156 kHz, 25-07, 0631 UTC, Serdolik v2
 11156 kHz, 25-07, 0634 UTC, Serdolik v2
 11158 kHz, 25-07, 0639 UTC, Serdolik v2
 11158 kHz, 25-07, 0648 UTC, Serdolik v2

MFA Moscow clg 341265: unid Russian embassy
 Russian diplo
 Russian diplo
 Russian diplo
 Russian diplo. Test
 Russian diplo
 Russian diplo
 MFA Moscow clg 615243: Russian Permanent Mission to the UN, Geneva
 MFA Moscow clg 356412: Russian embassy Berlin
 Russian diplo
 Russian diplo
 MFA Moscow clg 463125: Russian embassy Rabat
 Russian diplo. Selcal
 Russian diplo
 MFA Moscow clg 256341: Russian embassy Beirut
 MFA Moscow clg 256341: Russian embassy Beirut
 MFA Moscow clg 256341: Russian embassy Beirut
 MFA Moscow clg 215346: Russian embassy Mumbai
 MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City
 MFA Moscow clg 432516: Russian embassy Bern
 Russian diplo
 Russian diplo
 MFA Moscow clg 532614: Russian embassy Paris
 Russian diplo
 MFA Moscow clg 534216: Russian embassy Baghdad
 MFA Moscow clg 542136: Russian embassy Beijing
 Russian diplo. Test
 Russian diplo call up
 Russian diplo. Test
 Russian diplo. Test
 Russian diplo. Test
 MFA Moscow clg 216354: Russian Consulate General Chennai
 Russian diplo
 Russian diplo selcal
 Russian diplo test
 Russian diplo test
 Russian diplo test
 Russian diplo test
 Russian diplo
 Russian diplo selcal
 Russian diplo test
 Russian diplo test
 MFA Moscow clg 216354: Russian Consulate General Chennai
 Russian diplo test
 Russian diplo selcal
 Russian diplo test
 Russian diplo
 Russian diplo test
 Russian diplo call up (on top of F06a)
 Russian diplo call up (on top of F06a)
 MFA Moscow clg 412356: Russian embassy Budapest
 Russian diplo selcal
 Russian diplo
 MFA Moscow clg 465132: Russian embassy Sofia
 MFA Moscow clg 465132: Russian embassy Sofia
 MFA Moscow clg 164253: Russian embassy Addis Ababa
 MFA Moscow clg 164253: Russian embassy Addis Ababa
 Russian diplo
 Russian diplo
 MFA Moscow clg 356412: Russian embassy Berlin
 Russian diplo selcal
 Russian diplo selcal
 Russian diplo
 Russian diplo tone

13430 kHz, 25-07, 0630 UTC, Serdolik v2	Russian diplo selcal
13430 kHz, 25-07, 0633 UTC, Serdolik v2	Russian diplo selcal
15920 kHz, 25-07, 0512 UTC, MFSK-6	MFA Moscow clg 216435: Russian embassy Dhaka
19610 kHz, 25-07, 0511 UTC, MFSK-6	MFA Moscow clg 216435: Russian embassy Dhaka
13427 kHz, 25-07, 0644 UTC, MFSK-6	MFA Moscow clg 341265: unid Russian embassy
10653 kHz, 25-07, 0821 UTC, MFSK-6	MFA Moscow clg 356412: Russian embassy Berlin
16060 kHz, 27-07, 0910 UTC, MFSK-6	MFA Moscow clg 261453: Russian embassy Cairo
15810 kHz, 27-07, 1034 UTC, MFSK-6	MFA Moscow clg 145632: Russian embassy Algiers
19235 kHz, 28-07, 1007 UTC, MFSK-6	MFA Moscow clg 463125: Russian embassy Rabat

UTILITY ROUND-UP

Unid stations

7973 kHz, 07-07, 1341 UTC, MFSK11	Unid Russian net
5304 kHz, 29-07, 1933 UTC, CW	Unid, final part of a message. ISION AND ACCURACY. WHILE THE INDUCTOR CRANK HANDLE FACILITATES COARSE ADJUSTMENTS. SSB SSB
The last report of the BUGLE was on 25 Feb 2024. It was heard again on 14-07:	
12960 kHz, 14-07, 1503 UTC, USB	Bugle tune (R)
10760 kHz, 14-07, 1900 UTC, USB	Bugle tune (R) followed by PSK data

EMERGENCY ACTION MESSAGES & FOXTROT MESSAGES

I recently received an email asking me whether EAMs still exist, as I no longer mention them in N&O.

Yes, they still exist. They are on the air daily, but because I don't have the time, I rarely listen to them these days and therefore I no longer include them in N&O. If you are interested you might be interested in joining UDXF. EAMs are often reported there: <https://groups.io/g/UDXF>

This month, I am making an exception and have included a large number of logs from Jeff Haverlah. These include EAMs and other USAF activity on the same frequencies. Jeff has also provided explanatory notes about the messages, for which I am very grateful. Jeff mentioned that he and a couple of fellow hobbyists discovered groups of characters inside messages and they also determined that there were two possible sets within the longer strings. The P numbers in the logs refer to the different groups.

P1: Currently the AA strings. The most common EAMs. All 30 characters. No discernable internal structure that is repeatable.

P2: Currently the NZ strings. Also common. Mostly 30 characters but rarely less (16 and up); and variable counts above 30. The home of the FOR strings. No discernable structure in the 30 character and below strings (like the P1 above); but repeatable structures in strings above 30 characters.

P3: Currently the YP strings; Rare compared to other strings; Usually the longer strings 120 and up, mostly (but not always) with 18/quad repetitive blocks within the strings; and, with structures that are repeatable over strings of the same character count. And, sometimes the same character blocks are reused in later strings of varying lengths (that was true in 1996+ as well). The string count can go as low as 36 and above (very rare at that level);

P4: Currently the GV strings. Not rare. A new series since 01 Oct 24 (new fiscal year). No common character count; but, structured such that the counts start at 22 and work up (22; 25; 27; 29; 30 (rare) and above). Tightly structured internally, repeatable over same character counts. They appear to be a hybrid of the P2 strings with characteristics of the P3 series. (I named them "kaiju" strings because of the way they appeared to morph from the P2/P3 to P4.) It is the most "interesting" series in the bunch.

Both the P2 and P4 strings seem to make things happen.

The above (with the exception of the P4 series) is exactly the format of the 90s.

P1 = 20/26(28/30) character series.

P2 = 6/20/variable (FOR) series.

P3 = Variable series (with a perceived 2 sets active at any one time, one which could be thought of as P4 without the kaiju characteristics).

Frequencies: 4724, 8992, 11175, 15016 kHz.

20 July

0148z: GILCREST (NCS); AAJ4VO; P1. AAJ4VORF5DUU7O4HACTZ2NMLICUDRV [Fed TACAMO LANT] [A common broadcast window for this activity.]
[0200z+: 17.8 KHz broadcast indicated on W1VD VLF Grabber.]
0210z: RESEMBLE; AAJ4VO; h+10/h+40 TACAMO LANT restoral rebroadcast window. UTwente SDR.
0227z: RING BOLT/BOWL/? (E6B) worked GILCREST to exit the net.
0230z: RING BOLT exited the net.
0240z: RESEMBLE; AAJ4VO; restoral. UTwente SDR.
0310z: RESEMBLE; AAJ4VO; restoral; UTwente.
0340z: RESEMBLE; AAJ4VO; restoral; UTwente.
0410z Nothing heard.
[1310z+/-: ? AF266F E6B launched from TINKER]
1314z+: SPARE RIB (presumed AF266F; E6B) called GILCREST and MAINSAIL multiple times.
1319z: SPARE RIB worked MAINSAIL/GILCREST to enter the net.
1321z: SPARE RIB entered the net.
1430z: GILCREST; DPJ4QF; 32 characters; P4. DPJ4QFGBBFT4HHQJJJPKGZMS3GZMSD7G
1435z: GILCREST; disregard.
1436z: GILCREST; DPVZUX; 27 characters; P4. DPVZUXW4REQ56FJVYX3LDVYLT3W
1454z: GILCREST; AAWXP2; P1. AAWXP27N7U2Q2YNRCGRUBIQB6GE6QM
1500z: GILCREST; AAWXP2; h+00/h+30 NCS/ABNCS/Gulf restoral rebroadcast window.
1517z: GILCREST; AAUQON; P1. AAUQON57IDPAXE6LRU3F6JQXKIJ6AP
1530z: GILCREST; AAUQON; disregarded early.
1532z: GILCREST; AAUQON; AAWXP2; restoral.
1600z: Nothing heard.
1621z: GILCREST; YPUCQK; 158 characters; P3.
YPUCQKGSCEBVXTRVQRXRLQ2IBWRXR4A44TDN67DNK2222HRFIB6B6TVFEMZABHGGGGGJOM4CJTZOYZ46233L6HHHHGJMICKCBCS
WHQ5Z5ZCWWWW3XJTTNEEK2AXELQ7LAOG3C3WC6UC7CZH57DDDD2BSAWCBEW

Reformatted for clarity:

YPUCQK [Preamble; 6]
GSCEBVXTRVQRXRLQ2 [17]
IBWRXR4A44TDN67DNK2222 [22]
HRFIB6B6TVFEMZABHGGGGG [22]
JOM4CJTZOYZ46233L6HHHH [22]
GJMICKCBCSWHQ5Z5ZCWWWW [22]
3XJTTNEEK2AXELQ7 [16]
LAOG3C3WC6UC7CZH57DDDD [22]
2BSAWCBEW [9]

1707z: WEST COAST with test count.
1708z: SPARE RIB called GILCREST and raised MAINSAIL. Did not respond.
1709z: SPARE RIB called GILCREST (apparently does not hear responses.)
1711z: Both "MAINSAILS" (male and female operators) try to raised GILCREST.
1712z: SPARE RIB exits the net in the blind. He at TINKER at the time.
[2051z+/-: TATUM 17 AEC784 E6B launches from TRAVIS and flies to the Pacific. TACAMO PAC.]
2053z: GILCREST; AAGXJS; P1. AAGXJSYB4WWZTEVW6ND473OT7TWNIN
[2108z+/-: ? AF2ECO E6B launched from TINKER and flew to PAX RIVER.]
2120z: COMPRESS (TATUM 17); AAGXJS; h+20/h+50 TACAMO PAC restoral rebroadcast window.
2129z: COMPRESS called DEVIL FOX with no response.
2131z: COMPRESS called DEVIL FOX.
2139z: COMPRESS called DEVIL FOX 8992.
2142z: COMPRESS called DEVIL FOX 11175.

[No 274 message traffic logged this date.]

2150z: COMPRESS; AAGXJS; restoral.
2201z: COMPRESS called and worked GILCREST and requested to enter the net (an hour+/- since launch).
2204z: COMPRESS entered the net.
2220z: COMPRESS; AAGXJS; restoral.
2250z: COMPRESS; AAGXJS; restoral.
2320z: Nothing heard.

2353z: DRIFTWOOD (E6B AF2EC0) called GILCREST to exit the net. No response noted. AF2EC0 was descending into PAX RIVER at that time.

21 July

0004z: MAINSAIL with test count.
0005z: CHIP SHOT with test count.
0006z: CHIP SHOT with test count. [USSTRATCOM CP]
0113z: 0113z: MAINSAIL with test count
0114z: ANDREWS with test count.
0115z: ANDREWS with test count.
0600z: (sounds like "ben ruth" but probably something else; pre 0000z COMPRESS; TATUM 17) called SMITHERS (NCS).
0602z: Raised MAINSAIL and requested to exit the net.
0605z: Exited net. TATUM 17 was at TRAVIS at the time.
0955z-1026z: SUMMO 08 called and eventually raised MAINSAIL to obtain weather for PHNL.
[1315z+/-: WENCH 02 AF4057 E6B launched from TINKER, flew north to the OFFUTT area, and flew distinctive a distinctive pattern to the northeast, east, and north of OFFUTT. There was an east/west storm system directly to the south of OFFUTT at the time.]
1320z: WASH TUB (suspected WENCH 02) called and worked SMITHERS to enter the net.
1321z: WASH TUB entered the net.
1400z: SMITHERS Standing by for traffic. [WENCH 02/WASH TUB was approximately half way to his pattern work area.]
1429z: SMITHERS; DPXDXS; 38 characters; P4 DPXDXSQDXERUJVDALZA55STTTTTTQ7JWJYJ6WY [doublet/quad P4] [WENCH 02/WASH TUB entered his pattern work at 1429z+/-.]
1432z: SMITHERS; DPTKSW; 25 characters; P4 DPTKSWRQBQMELNMAIRA5NM4JG
1436z: SMITHERS; DPXDXS; echo; 11175 only.
1439z: SMITHERS; DPTKSW; echo; 11175 only.
1501z: SMITHERS Standing by for traffic.
[1520z+/-: STOAT 22 AEDAA5 E6B launched from TRAVIS; flew around western CONUS; crossed California Pacific coast 2049z+/-; see 2103z; TACAMO PAC.]
1530z: Nothing heard.
1600z: SMITHERS Standing by for traffic.
1630z: Nothing heard.
1630z: STEVEDORE (E6B) called MAINSAIL and SMITHERS.
1636z: STEVEDORE called CHIP SHOT (USSTRATCOM CP; see 0005z).
1638z: MAINSAIL with test count.
1639z: STEVEDORE called SMITHERS.
1648z: STEVEDORE called NEW BOOK.
1649z: STEVEDORE called NEW BOOK.
1650z: STEVEDORE to NEW BOOK (in the blind); message of 3 groups: HZN GDS BOS; time 50; authentication YS; I say again; repeat in full; Out.
1654z: STEVEDORE called CHIP SHOT; and SMITHERS called STEVEDORE.
1657z: STEVEDORE to LAST CALLER: "weak and unreadable."
1708z: WEST COAST with test count.
1729z: SMITHERS with test count; heard on 11175 UTwente only.
1729z: SMITHERS again; UTwente.
1911z: WASH TUB called and raised SMITHERS to exit the net.
1915z: WASH TUB exited the net. [WASH TUB/WENCH 02 left his pattern at 1911z to fly to OFFUTT.]
2103z: SMITHERS; FOR LEADR 22, FOR STOAT 22; NZG7XS; P2. NZG7XSXRGQIPRBT4MTHHZFGIU5ENQC
[2122z+/-: ? AF4F34 E6B launched from PAX RIVER and flew to the Atlantic; TACAMO LANT]
2124z: ASCENSION with test count; good readable on UTwente 11175; very weak CONUS. [30 minute window]
2132z: SMITHERS; AAF4ZV; P1. AAF4ZVHMDYJPKL4NDDNKZJXWUENYAQ [Fed to TACAMO LANT and TACAMO PAC.]
2143z: BIG BURLY (suspected AF4F34); AAF4ZV; h+10/h+40 TACAMO LANT restoral rebroadcast window.
2149z: BIG BURLY called SMITHERS to enter the net.
2151z: BIG BURLY called SMITHERS.
[2130z-2200z: Indication of 22.7 KHz (PAC) VLF FSK broadcast on W1VD VLF Grabber.]
[2200z+: 17.8 KHz (LANT) VLF FSK broadcast.]
2202z: SMITHERS with test count.
2206z: SMITHERS with test count.
2210z: BIG BURLY; AAF4ZV; restoral.
2240z: BIG BURLY; AAF4ZV; restoral.
2250z: TIN ROOF (presumed STOAT 22); AAF4ZV; restoral.
2310z: BIG BURLY; AAF4ZV; restoral.
2320z: TIN ROOF; AAF4ZV; restoral.
2340z: Nothing heard.
2350z: Nothing heard; STOAT 22/TIN ROOF had crossed the California Pacific coast at 2337z and was descending toward Travis.

23 July
0010z: BILLY CLUB; AALGW2; h+10/h+40 TACAMO LANT restoral rebroadcast window. [UTC 22 Jul 25 CLASSROOM]
0024z: SUCCESS but could be SUSPENSE (sounds like or something else) with test count.
0025z: SUCCESS/SUSPENSE with test count. See 2144z. [USSTRATCOM CP]
0035z: BILLY CLUB called MAINSAIL.
0036z: JUNE DAY (NCS) responded to BILLY CLUB. BILLY CLUB requests to exit the net.
0038z: BILLY CLUB exited the net.
0113z: FISH HOOK (Female operator; old day DEER MEAT [female operator]) called YULETIDE (old day CLASSROOM) a couple of times.
0116z: FISH HOOK works YULETIDE and request to meet on the CHARLIE ECHO WINDOW.
0117z: YULETIDE declines because they are refueling. [Per ADSBExchange YULETIDE was in the AR 200 along the west coast of Florida trailing KC135 tanker AE015D 63-8879 at that time.]
0251z: FISH HOOK called and worked JUNE DAY to exit the net.
0253z: FISH HOOK exited the net.
0628z: JUNE DAY; AAXCIN; P1. AAXCINGH63OPDK4VRECBCGAKFP4O6W
[0645z+/-: 8992.0 traffic string (maybe AAXCIN) from good level station and a slightly delayed very weak station on California SDR. Missed it but saw it on the waterfall.]
0722z: JUNE DAY; GV2EQ3; 22 characters; P4. GV2EQ3Z64EU6OJOLRYZ4XC [DP 08 Jun 25 - 23 Jul 25; 45 days.]
0912z: JUNE DAY; NZTPGJ; 35 characters; P2. NZTPGJHN74N3DKZBEHTUTLDML6YTGO6YTSG

[Wednesday h+#3 FOR activity:]

1203z: JUNE DAY; NZH.. Disregard (forgot the FOR).
1203z: JUNE DAY; FOR TIMOTHY; NZHTSB; P2. NZHTSBXT25HLXTRWRF3KZTHIYDGIR7
1223z: JUNE DAY; FOR TIMOTHY; NZIRWO; P2. NZIRWO5ETVUASNNXNJ4VJNJIQMQUQP
1303z: JUNE DAY; FOR TIMOTHY; NZH3UI; P2. NZH3UIUG26JAW7VCACMIMFQ7HLKG5T
1323z: JUNE DAY; FOR TIMOTHY, FOR JARK; NZ2BHA; P2. NZ2BHAZKXT2UZQPCQNGMJRTT3NJL42
1459z: JUNE DAY; GVEFYP; 32 characters; P4. GVEFYPWCEUGTOROQEMHQJQOYMIQOYGXV
1503z: JUNE DAY; GVFLPQ; 27 characters; P4. GVFLPQKI357ADNOOPW66NVJMLZG
1517z: JUNE DAY; AABKIN; P1. AABKINSO3W5RUJ7DG325ZYET7IBGQ
[1537z+/-: BURNS 34 AF1DCG E6B launched from TRAVIS
1541z: CUE STICK (suspected BURNS 34) called JUNE DAY and raised MAINSAIL. CUE STICK requested to enter the net.
1544z: CUE STICK entered the net.
1648z: OUTCLASS (sounds like; unknown E6B) called and raised JUNE DAY.
1659z: OUTCLASS called MUSTACHE with no response.
1700z: MAINSAIL called and raised OUTCLASS. OUTCLASS requested to enter the net.
1704z: OUTCLASS entered the net.
1705z: COBRA 29 called and raised MAINSAIL for a radio check.
1726z: ANDREWS with a test count.
1833z: MAINSAIL with test count.
[2110z: BURNS 24/CUE STICK is outbound over the Pacific.]

[A common window for TACAMO restoral activity.]

2132z: JUNE DAY; FOR ARROW 34, FOR BURNS 34; NZ6DLU; P2. NZ6DLUTQ3SMLAYBJ5YPCUMGNZ2FOHF

2142z: OUTCLASS called SUSPENSE (sounds like; very weak) on 11175.
2144z: OUTCLASS (weak/but readable) to SUSPENSE (sounds like); message of 3 groups follows: XCH RLH GWM; time 44; authentication KK; I say again; Repeat in full; Out.
2151z: WEST COAST with test count.

[30 minute window]

2202z: JUNE DAY; AAFWSN; P1. AAFWSNI4PMTS4XV7S7QPBZ34FOX7Z [Fed to TACAMO PAC and TACAMO LANT]
2205z: OUTCLASS calling JUNE DAY with no known response.
2206z: JUNE DAY; AAFWSN; echo.
2208z: YULETIDE (E6B; TACAMO LANT); AAFWSN.
2211z: YULETIDE; AAFWSN; suspected h+10/h+40 TACAMO LANT restoral window.
[2215z: 22.7 KHz (PAC) VLF FSK; AAFWSN broadcast]
2220z: CUE STICK; AAFWSN; h+20/h+50 TACAMO PAC restoral window.
[2221z+/-: 22.7 KHz FSK; again, same; W1VD grabber indication]
2230z: MAINSAIL worked YULETIDE (unheard on SDR). YULETIDE requests to enter the net.
2234z: YULETIDE (unheard) entered the net.

2240z: YULETIDE (weak/fair); AAFWSN; restoral.
[2241z+/-: 17.8 KHz (LANT) VLF FSK; W1VD VLF grabber.]
2250z: CUE STICK; AAFWSN; restoral.
[2251z: 22.7 KHz VLF FSK; repeat FSK again.]
2310z: YULETIDE (strong 8992 east coast SDR); AAFWSN; restoral.
2320z: CUE STICK; AAFWSN; restoral.
2340z: CUE STICK; AAFWSN; restoral.
2350z: YULETIDE; AAFWSN; restoral.

24 July

The 1600z+ NCS activity on the HFGCS was conducted in DSB, with the LSB side appearing to be noticeably/significantly weaker, yet the LSB voice audio seemed superior/clearer to the USB side. There appeared to be an LSB component at other times but at noise floor levels in the waterfall if there at all. MAINSAIL comms did not appear to be in DSB.

0017z: BOAT DOCK with communication test count.
0018z: BOAT DOCK with test count. [USSTRATCOM CP]
0218z: HATHAWAY (E6B; suspected old day CUE STICK) called and raised PARASITE (NCS) to exit the net.
0229z: HATHAWAY exited the net. [BURNS 34 was at TRAVIS]
0231z: OUTCURVE (E6B) called and raised PARASITE and requested to enter the net.
0236Z: During the challenge back and forth, PARASITE, in addition to normal formal responses, added the following question to her response: "What is "rye-point (sounds like) callsign?" and then into normal response. No apparent response to that particular question. I'm unfamiliar with that term.
0238z: OURCURVE entered the net.
0658z: OUTCURVE (weak) called PARASITE to exit the net.
0706z: OUTCURVE exited the net.
0909z: MAINSAIL with test count.
0910z: ANDREWS with test count.
0947z: PARASITE; FOR HURON INDIAN; NZOUZW; P2. NZOUZWJNIXF2HW6MVLNGGG5NOAPCR4
0958z: PARASITE; FOR HURON INDIAN; NZRY7S; P2. NZRY7SPP7C2WY7EVVRRS3PV3CGL7TS'
1008z: PARASITE; FOR HURON INDIAN; NZ6QBI; P2. NZ6QBIOV5XU2Q2US5ETVKZPHIWBY4U
1035z: PARASITE; FOR HURON INDIAN; NZLRZW; P2. NZLRZW24RT2722NGR3PZXHRTJWY6LK
1619z: PARASITE; AA4SVA; P1. AA4SVAMYKB2KFGBD3PHY2GVY6MXSU7 [2nd operator in his background reading the same string but ahead of the primary reading.]
[1617z+/-: ZUNO 41 AF3BBC E6B launched from TRAVIS and flew east.]
1623z: SAFE CALL (presumed ZUNO 41) called PARASITE multiple times.
1625z: PARASITE; AASWPW; P1. AASWPW4DV3HEQN27HUXKPDIAVOGKIE
1628z: SAFE CALL called PARASITE.
1629z: PARASITE; AAJ7HW; P1. AAJ7HWNTVTSW2HFSHUKTWVSJ7OFGI5
1634z: SAFE CALL called PARASITE.
1634z: PARASITE; AAJ7HW; AASWPW; AA4SVA; h+00/h+30 NCS restoral rebroadcast window.
1642z: SAFE CALL called PARASITE.
1644z: SAFE CALL called PARASITE.
1645z: PARASITE; AA3NBE; P1. AA3NBENO2CW17AQ3FLZHIICVTR2ZVP
1648z: PARASITE Standing by for traffic.
1650z - 1658z: SAFE CALL called PARASITE and eventually raised MAINSAIL (male and female operators) with attempts to enter the net.
1700z: PARASITE; AA3NBE; AAJ7HW; AASWPW; restoral.
1709z: PARASITE Standing by for traffic.
1730z: Nothing heard.

With PARASITE finished with its traffic session...

1711z - 1742z: SAFE CALL eventually enters the net through MAINSAIL at 1742z after many unsuccessful attempts (connectivity).

1930z: PARASITE; GVQZLY; 25 characters; P4. GVQZLYPVH75NJ3ND3DD3M42QO
1935z: PARASITE; GVCCXL; 38-characters; doublet/quad series; P4. GVCCXL3ALWJBSXLRXQRYETTOOOOUFTHTZTSPH
[doublet/quad/10-character ending block conforms with previous 38 character P4 strings.]
1938z: PARASITE Standing by for traffic.
2000z: Nothing heard
1939z - 2012z: RESURGENT (presumed E6B; don't see him on mapping sites) called PARASITE many times, often simulcasting on all frequencies. No known resolution.
2101z: SAFE CALL called PARASITE and raised MAINSAIL to exit the net.
2106z: SAFE CALL exited the net.
2107z: COBRA 29 called MAINSAIL for a radio check.

2117z: MAINSAIL with test count.
2130z: WEST COAST with test count.
2241z: PARASITE; AAJLH2; P1. AAJLH2O2CNWN3CRTAGBTDSCSTSLCE3F
2346z: PARASITE; NZ273F; P2. NZ273FXDYM3J2DSPVE4VF4VTXPSBYF

25 July

0013z: MAINSAIL with test count.
0024z: BIG MACK; AAYWPJ; P1. AAYWPJ7DZSGX53EFOBE3I3AHBTK36C
0028z: BIG MACK; AAVYJC; P1. AAVYJCBUW2QLDKF4GLAORUPRYGJDOR
0032z: BIG MACK; AAKCUQ; P1. AAKCUQBY2ZCNFFA7PGUJEJFCIHKSLT
0037z: OVERGROWN (sounds like; E6B) to ? (missed it): Message of 3 groups; TGC NQT BSC; time 0038; authentication VG Repeat in full. Out.
0040z: BIG MACK; AAMBB3; P1. AAMBB3W7WLHEW67WTNXP72PIXYJLNG

[No NCS restoral traffic generated by the above activity.]

[0048z: WOOD 24 AE0412 (static hex) E6B launched from TINKER.]
0109z: MAINSAIL with test count.
0314z: DECORATOR with their daily test count.
0315z: DECORATOR with their test count. [USSTRATCOM CP]

1308z: BIG MACK; YPWISL; 120 characters; P3
YPWISLGH6FNYG4ZHGPITKATEJ4KIXOSI7C4QQQ4JLLLLROI2A7XFXHFRG6ZUUA77774TAABWFZWBKMA336ZARRRRMCQD4BKK7RJM
HYCH2VVVV566G5UAHI

Reformatted for clarity:

Y P W I S L [P r e a m b l e ; 6]
G H B 6 F N Y G 4 Z H G P I T K A [1 7]
T E J 4 K I X O S I 7 C 4 Q Q Q 4 J L L L L [2 2]
R O I 2 A 7 X F X H F R G 6 Z U U A 7 7 7 7 [2 2]
4 T A A B W F Z W B K M A 3 3 6 Z A R R R R [2 2]
M C Q D 4 B K K 7 R J M H Y Y C H 2 V V V V [2 2]
5 Y 6 G 5 U A H I [9]

1611z: BIG MACK; NZCEF2; 64 characters; P2
NZCEF2OJG35CLX3WNXJGWNZLGATQZDLX44TGWJL5AWO2WHFMYKSI4L5AWO2WHFM6
2016z: BIG MACK; FOR MELGA 46 (sounds like); NZAPNY; P2. NZAPNY6WP7OODFH5UEWPZDRDLCCQG

[30 minute window]

2046z: BIG MACK; AARKAN; P1. AARKANQOWFOKOBUIZ52US6H4Q4QNAT [Fed ABNCP/Gulf and TACAMO LANT]
2050z: PROPAGATE (presumed, as initial ID unheard; suspected ABNCP); AARKAN; P1. [Very weak/mostly unreadable on California and western SDRs. Dropped transmission during reading of string.]
2104z: PROPAGATE; AARKAN; h+00/h+30 NCS/ABNCP/Gulf restoral rebroadcast. [There's a storm system over the western Gulf.]
[2119z+/-: ? AF3FE9 E6B launched from PEASE and flew to the Atlantic; TACAMO LANT.]
2120z: STAR WISH (E6B; presumed AF3FE9; TACAMO LANT) worked BIG MACK to enter the net.
2124z: STAR WISH entered the net
2130z: PROPAGATE; AARKAN; restoral.
2140z: STAR WISH; AARKAN; h+10/h+40 TACAMO LANT restoral rebroadcast window.
2200z: PROPAGATE; AARKAN; restoral.
2210z: STAR WISH; AARKAN; restoral.
[2210z+/-: ? AF50E9 E6B launched from OFFUTT westbound.]
[2210z+: 17.8 KHz (LANT) VLF broadcast indicated on W1VD VLF Grabber.]
2218z: STATEMENT (presumed AF50E9) called BIG MACK.
2220z: STATEMENT worked BIG MACK to enter the net.
2222z: STATEMENT entered the net.
2230z: PROPAGATE; AARKAN; restoral.
2234z: CLIMATIC (suspected E6B) called BIG MACK.
2240z: STAR WISH; AARKAN; restoral.
2300z: Nothing heard.
2310z: Nothing heard.

26 July

Very quiet day.

0001z: MAINSAIL with test count.
 0003z: MAINSAIL with test count.
 0004z: MAINSAIL with test count.
 0107z: SQUAD CAR (NCS) with test count.
 0149z: SQUAD CAR; AANK7B; Disregard
 0159z: SQUAD CAR; AANK7B; P1. AANK7BT4ZX32C4U6CICVWBIS362ZFJ [Common window for CONUS local night TACAMO restoral strings.] [Fed to TACAMO LANT.]
 [0157z+/-: 17.8 KHz FSK active per W1VD VLF grabber.]
 0210z: ANTIQUITY (E6B; suspected AF3FE9; pre 0000 STAR WISH); AANK7B h+10/h+40 TACAMO LANT restoral rebroadcast window.
 0240z: ANTIQUITY; AANK7B; restoral.
 0310z: ANTIQUITY; AANK7B; restoral.
 0340z: ANTIQUITY; AANK7B; restoral.
 0410z: Nothing heard.
 0348z: COLORFUL (sounds like) called and raised SQUAD CAR to exit the net.
 0353z: COLORFUL exited the net.
 0414z: ANTIQUITY worked SQUAD CAR to exit the net.
 0418z: ANTIQUITY exited the net.
 Quiet.
 [1424z+/-: MUSK 27 AEF5IF E6B launched from KNOXVILLE, TX westbound.]
 1431z: COURTLAND (presumed MUSK 27) called SQUAD CAR.
 1432z: COURTLAND called SQUAD CAR.
 1433z: COURTLAND raised SQUAD CAR and requested to enter the net.
 1437z: COURTLAND entered the net.
 1447z: COURTLAND called WILY FOX with no response.
 1450z: COURTLAND to WILY FOX (apparently in the blind); Message of 3 groups follows; KBP DCQ BSC; time 50; authentication KO; I say again; repeat in full; Out.
 Quiet.
 1820z: COURTLAND called WORKOUT (?).
 1822z: COURTLAND called WORKOUT.
 1925z: COURTLAND called and raised SQUAD CAR to exit the net.
 1929z: COURTLAND exited the net.
 [2038z+/-: EMPTY 54 AEF8B3 E6B launched from TINKER northbound.]
 2051z: INSURABLE (suspected EMPTY 54) called SQUAD CAR.
 2100z: INSURABLE called SQUAD CAR, an raised (very weak on SDR) but did not respond.
 2103z: SQUAD CAR (good levels) called and worked INSURABLE. INSURABLE requested to enter the net.
 2106z: INSURABLE entered the net.

RUSSIAN MILITARY TRANSCRIPTS

Morse transmissions

14556 kHz, 1611 UTC

VVV RMRV RMRV RMRV DE RMX RMX QSA? K
 VVV RMRV RMRV RMRV DE RMX RMX QSA? K
 VVV RMRV RMRV RMRV DE RMX RMX QSA? K
 QSA? K

9145 kHz, 12-07, 0810 UTC

RMRV RMRV DE RMX RMX QSA? K (repeated)

LOGS SECTION

Code	Date	UTC	Freq	Day	Details	Mode	Contributor
---	14-7	1503	12960	Mon	Bugle tune (R)	USB	(PY)
---	14-7	1900	10760	Mon	Bugle tune (R) followed by PSK data	USB	(PY)
BUL	11-7	0823	14755	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	11-7	1225	17440	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	11-7	1258	18455	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	16-7	0822	14755	Wed	Bulgarian diplo	RFSM-8000	(AB)
BUL	16-7	1221	17440	Wed	Bulgarian diplo	RFSM-8000	(AB)
BUL	16-7	1254	18455	Wed	Bulgarian diplo	RFSM-8000	(AB)
BUL	17-7	0822	14755	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	17-7	1231	17440	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	17-7	1232	13365	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	17-7	1258	18455	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	18-7	0823	14755	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	18-7	1026	14786	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	18-7	1254	18455	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	22-7	0904	14755	Tue	Bulgarian diplo	RFSM-8000	(AB)
BUL	22-7	1256	18455	Tue	Bulgarian diplo	RFSM-8000	(AB)
E07	1-7	1500	16232	Tue	231 231 231 000	USB	(AB/Lac/HFD)
E07	1-7	1520	18332	Tue	231 231 231 000	USB	(AB/HFD)
E07	3-7	1000	19235	Thu	234 234 234 1 516 108 516 108 22302 19111 17519 ... 91698 48388 86797 000 000	USB	(HFD/Lac)
E07	3-7	1020	18368	Thu	234 234 234 1 516 108 516 108 22302 19111 17519 ... 91698 48388 86797 000 000	USB	(HFD/Lzc)
E07	3-7	1040	17421	Thu	234 234 234 1 516 108 516 108 22302 19111 17519 ... 91698 48388 86797 000 000	USB	(HFD/Lac)
E07	4-7	1500	18332	Fri	231 231 231 000	USB	(AB)
E07	4-7	1500	16232	Fri	231 231 231 000	USB	(AB/Lac)
E07	5-7	1000	19235	Sat	234 234 234 1 516 108 516 108 22302 19111 17519 ... 91698 48388 86797 000 000	USB	(AB-KWT/Lac)
E07	5-7	1020	18368	Sat	234 234 234 1 516 108 516 108 22302 19111 17519 ... 91698 48388 86797 000 000	USB	(AB-KWT/Lac)
E07	5-7	1040	17421	Sat	234 234 234 1 516 108 516 108 22302 19111 17519 ... 91698 48388 86797 000 000	USB	(AB-KWT/Lac)
E07	8-7	1500	16232	Tue	231 231 231 1 777 190 777 190 06086 69594 02050 ... 80370 53059 83879 000 000	USB	(AB-ARS/Lac)
E07	8-7	1520	18332	Tue	231 231 231 1 777 190 777 190 06086 69594 02050 ... 80370 53059 83879 000 000	USB	(AB)
E07	8-7	1540	19132	Tue	231 231 231 1 777 190 777 190 06086 69594 02050 ... 80370 53059 83879 000 000	USB	(AB/Lac)
E07	10-7	1000	19235	Thu	534 234 234 000	USB	(AB-KWT)
E07	10-7	1020	18368	Thu	534 234 234 000	USB	(AB-KWT)
E07	11-7	1500	16232	Fri	231 231 231 1 777 190 777 190 06086 69594 02050 ... 80370 53059 83879 000 000	USB	(AB)
E07	11-7	1520	18332	Fri	231 231 231 1 777 190 777 190 06086 69594 02050 ... 80370 53059 83879 000 000	USB	(AB)
E07	11-7	1540	19132	Fri	231 231 231 1 777 190 777 190 06086 69594 02050 ... 80370 53059 83879 000 000	USB	(AB)
E07	12-7	1000	19235	Sat	534 234 234 000	USB	(AB-KWT)
E07	12-7	1020	18368	Sat	534 234 234 000	USB	(AB-KWT)
E07	15-7	1500	16232	Tue	231 231 231 000	USB	(AB)

E07	15-7	1520	18332	Tue	231 231 231 000	USB	(AB)
E07	17-7	1000	19235	Thu	234 234 234 1 9290 121 9290 121 97368 71391 81087 ... 26286 25331 63318 000 000	USB	(AB)
E07	17-7	1020	18368	Thu	234 234 234 1 9290 121 9290 121 97368 71391 81087 ... 26286 25331 63318 000 000	USB	(AB)
E07	17-7	1040	17421	Thu	234 234 234 1 9290 121 9290 121 97368 71391 81087 ... 26286 25331 63318 000 000	USB	(AB)
E07	18-7	1500	16232	Fri	231 231 231 000	USB	(AB)
E07	18-7	1520	18332	Fri	231 231 231 000	USB	(AB)
E07	19-7	1000	19235	Sat	234 234 234 1 9290 121 9290 121 97368 71391 81087 ... 26286 25331 63318 000 000	USB	(AB)
E07	19-7	1020	18368	Sat	234 234 234 1 9290 121 9290 121 97368 71391 81087 ... 26286 25331 63318 000 000	USB	(AB)
E07	19-7	1040	17421	Sat	234 234 234 1 9290 121 9290 121 97368 71391 81087 ... 26286 25331 63318 000 000	USB	(AB)
E07	22-7	1500	16232	Tue	231 231 231 1 264 156 26 156 04754 15525 53720 ... 04491 40347 84244 000 000	USB	(AB)
E07	22-7	1520	18332	Tue	231 231 231 1 264 156 26 156 04754 15525 53720 ... 04491 40347 84244 000 000	USB	(AB-IRQ/Lac)
E07	22-7	1540	19132	Tue	231 231 231 1 264 156 26 156 04754 15525 53720 ... 04491 40347 84244 000 000	USB	(AB-IRQ/Lac)
E07	24-7	1000	19235	Thu	234 234 234 000	USB	(AB)
E07	24-7	1020	18368	Thu	234 234 234 000	USB	(AB)
E07	25-7	1500	16232	Fri	231 231 231 1 264 156 26 156 04754 15525 53720 ... 04491 40347 84244 000 000	USB	(AB)
E07	25-7	1520	18332	Fri	231 231 231 1 264 156 26 156 04754 15525 53720 ... 04491 40347 84244 000 000	USB	(AB)
E07	25-7	1540	19132	Fri	231 231 231 1 264 156 26 156 04754 15525 53720 ... 04491 40347 84244 000 000	USB	(AB-IRQ)
E07	26-7	1000	19235	Sat	234 234 234 000	USB	(AB)
E07	26-7	1020	18368	Sat	234 234 234 000	USB	(AB)
E07	29-7	1500	16232	Tue	231 231 231 000	USB	(AB)
E07	29-7	1520	18332	Tue	231 231 231 000	USB	(AB)
E07	31-7	1000	19235	Thu	234 234 234 1 648 137 648 137 55651 58782 00998 ... 94554 86514 78035 000 000	USB	(AB)
E07	31-7	1020	18368	Thu	234 234 234 1 648 137 648 137 55651 58782 00998 ... 94554 86514 78035 000 000	USB	(AB)
E07	31-7	1040	17421	Thu	234 234 234 1 648 137 648 137 55651 58782 00998 ... 94554 86514 78035 000 000	USB	(AB)
E11	1-7	0700	8680	Tue	576/00 Out	USB	(AB/Lac)
E11	1-7	0745	20640	Tue	227/00 Out	USB	(AB/Lac)
E11	1-7	0820	17378	Tue	135/00 Out	USB	(Lac)
E11	1-7	0845	19184	Tue	152/00 Out	USB	(AB/Lac)
E11	1-7	1205	8274	Tue	464/00 Out	USB	(AB/Lac)
E11	1-7	1430	12984	Tue	912/00 Out	USB	(AB/Lac)
E11	1-7	1605	5231	Tue	231/00 Out	USB	(AB/Lac)
E11	1-7	1645	14575	Tue	332/00 Out	USB	(AB/Lac)
E11	2-7	0600	21906	Wed	946/00 Out	USB	(AB-POL)
E11	2-7	0645	10508	Wed	411/00 Out	USB	(AB/Lac)
E11	2-7	0715	15915	Wed	757/00 Out	USB	(AB/Lac)
E11	2-7	0820	17378	Wed	138/00 Out	USB	(AB/Lac)
E11	2-7	0845	12815	Wed	711/00 Out	USB	(AB/Lac)
E11	2-7	0900	11116	Wed	538/00 Out	USB	(AB/Lac)
E11	2-7	0930	6923	Wed	271/00 Out	USB	(AB/Lac)
E11	2-7	1045	10210	Wed	690/00 Out	USB	(AB/Lac)
E11	2-7	1605	4783	Wed	391/00 Out	USB	(AB/Lac)
E11	3-7	0645	11092	Thu	515/00 Out	USB	(AB/Lac)

E11	3-7	0720	7984	Thu	435/00 Out	USB	(AB)
E11	3-7	0745	20640	Thu	229/00 Out	USB	(AB/Lac)
E11	3-7	0845	19184	Thu	152/00 Out	USB	(AB/Lac)
E11	3-7	0930	6923	Thu	276/00 Out	USB	(AB/Lac)
E11	3-7	1300	5737	Thu	316/00 Out	USB	(AB/Lac)
E11	3-7	1530	10356	Thu	261/00 Out	USB	(AB/Lac)
E11	3-7	1645	14575	Thu	335/00 Out	USB	(AB/Lac)
E11	3-7	1900	7600	Thu	649/00 Out	USB	(AB/Lac)
E11	3-7	2000	5409	Thu	521/00 Out	USB	(AB/Lac)
E11	4-7	0600	9150	Fri	353/00 Out	USB	(AB/Lac)
E11	4-7	0700	8680	Fri	573/00 Out	USB	(AB/Lac)
E11	4-7	0720	7984	Fri	431/00 Out	USB	(Lac)
E11	4-7	0830	16335	Fri	182/00 Out	USB	(AB/Lac)
E11	4-7	1815	12229	Fri	927/00 Out	USB	(AB/Lac)
E11	4-7	1910	9610	Fri	616/00 Out	USB	(AB/Lac)
E11	5-7	0700	7377	Sat	497/00 Out	USB	(AB/Lac)
E11	5-7	1430	12984	Sat	914/00 out	USB	(Lac)
E11	5-7	1610	4783	Sat	394/00 Out	USB	(AB/Lac)
E11	5-7	1645	5082	Sat	360/00 Out	USB	(AB)
E11	6-7	0600	9150	Sun	358/00 Out	USB	(AB)
E11	6-7	0700	7377	Sun	492/00 Out	USB	(AB/Lac)
E11	6-7	1605	5231	Sun	230/00 Out	USB	(AB/Lac)
E11	6-7	1645	5082	Sun	364/00 Out	USB	(AB/Lac)
E11	6-7	1745	14410	Sun	244/00 Out	USB	(AB/Lac)
E11	6-7	1815	12229	Sun	927/00 Out	USB	(AB/Lac)
E11	6-7	1910	9610	Sun	614/00 Out	USB	(AB/Lac)
E11	6-7	2000	5409	Sun	528/00 Out	USB	(AB/Lac)
E11	7-7	0600	21906	Mon	940/00 Out	USB	(AB/Lac)
E11	7-7	0645	10508	Mon	410/00 Out	USB	(AB/Lac)
E11	7-7	0715	15915	Mon	751/00 Out	USB	(AB)
E11	7-7	0745	9610	Mon	262/00 Out	USB	(AB/Lac)
E11	7-7	0830	16335	Mon	185/00 Out	USB	(AB)
E11	7-7	1045	10210	Mon	693/00 Out	USB	(AB)
E11	7-7	1745	14410	Mon	246/00 Out	USB	(AB/Lac)
E11	7-7	1900	7600	Mon	649/00 Out	USB	(AB/Lac)
E11	8-7	0715	12530	Tue	631/00 Out	USB	(AB/Lac)
E11	8-7	0820	17378	Tue	136/00 Out	USB	(AB-POL/Lac)
E11	8-7	0845	19184	Tue	157/00 Out	USB	(AB-POL/Lac)
E11	8-7	1000	12153	Tue	306/00 Out	USB	(AB/Lac)
E11	8-7	1205	8274	Tue	461/00 Out	USB	(AB/Lac)
E11	8-7	1430	12984	Tue	914/00 Out	USB	(AB/Lac)
E11	8-7	1605	5231	Tue	231/00 Out	USB	(AB)

E11	8-7	1645	14575	Tue	338/00 Out	USB	(AB)
E11	9-7	0600	21906	Wed	942/00 Out	USB	(AB/Lac)
E11	9-7	0645	10508	Wed	418/00 Out	USB	(AB/Lac)
E11	9-7	0715	15915	Wed	754/00 Out	USB	(AB)
E11	9-7	0745	15720	Wed	349/00 Out	USB	(AB)
E11	9-7	0820	17378	Wed	134/00 Out	USB	(AB)
E11	9-7	1045	10210	Wed	698/00 Out	USB	(AB)
E11	9-7	1205	8274	Wed	466/00 Out	USB	(AB)
E11	9-7	1715	7863	Wed	974/00 Out	USB	(AB)
E11	10-7	0720	7984	Thu	439/00 Out	USB	(AB/Lac)
E11	10-7	0845	19184	Thu	151/00 Out	USB	(AB)
E11	10-7	1300	5737	Thu	311/00 Out	USB	(AB)
E11	10-7	1530	10356	Thu	268/00 Out	USB	(AB)
E11	10-7	1645	14575	Thu	337/00 Out	USB	(AB/Lac)
E11	10-7	1900	7600	Thu	646/00 Out	USB	(AB)
E11	10-7	2000	5409	Thu	520/00 Out	USB	(AB)
E11	11-7	0600	9150	Fri	353/00 Out	USB	(AB/Lac)
E11	11-7	0715	12530	Fri	636/00 Out	USB	(AB)
E11	11-7	0720	7984	Fri	434/00 Out	USB	(Lac)
E11	11-7	0745	15720	Fri	343/00 Out	USB	(AB)
E11	11-7	0830	16335	Fri	185/00 Out	USB	(AB)
E11	11-7	1000	12153	Fri	305/00 Out	USB	(AB/Lac)
E11	11-7	1715	7863	Fri	975/00 Out	USB	(AB)
E11	12-7	0700	7377	Sat	490/00 Out	USB	(AB/Lac)
E11	12-7	1430	12984	Sat	917/00 Out	USB	(AB)
E11	12-7	1645	5082	Sat	365/00 Out	USB	(AB)
E11	13-7	0600	9150	Sun	355/00 Out	USB	(AB)
E11	13-7	0700	7377	Sun	497/00 Out	USB	(AB/Lac)
E11	13-7	1605	5231	Sun	233/00 Out	USB	(AB)
E11	13-7	1645	5082	Sun	360/00 Out	USB	(AB)
E11	13-7	1745	14410	Sun	245/00 Out	USB	(AB/Lac)
E11	13-7	2000	5409	Sun	520/00 Out	USB	(AB)
E11	14-7	0645	10508	Mon	410/00 Out	USB	(AB/Lac)
E11	14-7	0715	15915	Mon	757/00 Out	USB	(AB/Lac)
E11	14-7	0745	9610	Mon	260/00 Out	USB	(AB/Lac)
E11	14-7	0830	16335	Mon	185/00 Out	USB	(AB)
E11	14-7	0845	12815	Mon	719/00 Out	USB	(AB/Lac)
E11	14-7	0900	11116	Mon	535/00 Out	USB	(AB-POL)
E11	14-7	1045	10210	Mon	694/00 Out	USB	(AB/Lac)
E11	14-7	1300	5737	Mon	311/00 Out	USB	(Lac)
E11	14-7	1745	14410	Mon	248/00 Out	USB	(AB/Lac)
E11	14-7	1900	7600	Mon	641/00 Out	USB	(AB/Lac)

E11	15-7	0645	11092	Tue	514/00 Out	USB	(AB)
E11	15-7	0700	8680	Tue	575/00 Out	USB	(AB/Lac)
E11	15-7	0715	12530	Tue	631/00 Out	USB	(AB/Lac)
E11	15-7	0745	20640	Tue	221/00 Out	USB	(AB/Lac)
E11	15-7	1000	12153	Tue	305/00 Out	USB	(AB/Lac)
E11	15-7	1605	5231	Tue	231/00 Out	USB	(AB/Lac)
E11	16-7	0645	10508	Wed	416/00 Out	USB	(AB/Lac)
E11	16-7	0715	15915	Wed	759/00 Out	USB	(AB)
E11	16-7	0745	15720	Wed	342/00 Out	USB	(AB)
E11	16-7	0845	12815	Wed	714/00 Out	USB	(AB/Lac)
E11	16-7	0900	11116	Wed	532/00 Out	USB	(AB/Lac)
E11	16-7	0930	6923	Wed	273/00 Out	USB	(AB/Lac)
E11	16-7	1045	10210	Wed	690/00 Out	USB	(AB)
E11	16-7	1605	4783	Wed	392/00 Out	USB	(AB/Lac)
E11	16-7	1715	7863	Wed	976/00 Out	USB	(AB/Lac)
E11	17-7	0645	11092	Thu	519/00 Out	USB	(AB/Lac)
E11	17-7	0720	7984	Thu	434/00 Out	USB	(AB)
E11	17-7	0745	20640	Thu	229/00 Out	USB	(AB/Lac)
E11	17-7	0930	6923	Thu	271/00 Out	USB	(AB/Lac)
E11	17-7	1300	5737	Thu	310/00 Out	USB	(AB/Lac)
E11	17-7	1530	10356	Thu	266/00 Out	USB	(AB)
E11	17-7	1900	7600	Thu	648/00 Out	USB	(AB)
E11	17-7	2000	5409	Thu	520/00 Out	USB	(AB)
E11	18-7	0700	8680	Fri	576/00 Out	USB	(AB)
E11	18-7	0715	12530	Fri	636/00 Out	USB	(AB)
E11	18-7	0720	7984	Fri	432/00 Out	USB	(AB)
E11	18-7	0830	16335	Fri	181/00 Out	USB	(AB)
E11	18-7	1000	12153	Fri	309/00 Out	USB	(AB)
E11	18-7	1715	7863	Fri	976/00 Out	USB	(AB)
E11	18-7	1815	12229	Fri	929/00 Out	USB	(Anon)
E11	18-7	1910	9610	Fri	618/00 Out	USB	(AB)
E11	19-7	1610	4783	Sat	392/00 Out	USB	(AB)
E11	19-7	1645	5082	Sat	364/00 Out	USB	(AB)
E11	20-7	1605	5231	Sun	231/00 Out	USB	(AB)
E11	20-7	1645	5082	Sun	369/00 Out	USB	(AB)
E11	20-7	1745	14410	Sun	242/00 Out	USB	(AB)
E11	20-7	1815	12229	Sun	926/00 Out	USB	(AB)
E11	20-7	1910	9610	Sun	611/00 Out	USB	(AB)
E11	20-7	2000	5409	Sun	524/00 Out	USB	(AB)
E11	21-7	0600	21906	Mon	946/00 Out	USB	(AB-POL)
E11	21-7	0715	15915	Mon	753/00 Out	USB	(AB/Lac)
E11	21-7	0745	9610	Mon	261/00 Out	USB	(AB/Lac)

E11	21-7	0845	12815	Mon	710/00 Out	USB	(AB/Lac)
E11	21-7	0900	11116	Mon	533/00 Out	USB	(AB-POL)
E11	21-7	1045	10210	Mon	694/00 Out	USB	(AB/Lac)
E11	22-7	0645	11092	Tue	512/00 Out	USB	(AB/Lac)
E11	22-7	0700	8680	Tue	571/00 Out	USB	(AB/Lac)
E11	22-7	0715	12530	Tue	631/00 Out	USB	(AB/Lac)
E11	22-7	0745	20640	Tue	225/00 Out	USB	(AB/Lac)
E11	22-7	0820	17378	Tue	138/00 Out	USB	(AB/Lac)
E11	22-7	0845	19184	Tue	150/00 Out	USB	(AB-POL)
E11	22-7	1000	12153	Tue	308/00 Out	USB	(AB/Lac)
E11	22-7	1205	8274	Tue	469/00 Out	USB	(AB/Lac)
E11	22-7	1430	12984	Tue	911/00 Out	USB	(AB/Lac)
E11	22-7	1645	14575	Tue	330/00 Out	USB	(Lac)
E11	23-7	0600	21906	Wed	941/00 Out	USB	(AB-POL)
E11	23-7	0715	15915	Wed	750/00 Out	USB	(AB)
E11	23-7	0745	15720	Wed	349/00 Out	USB	(AB)
E11	23-7	0820	17378	Wed	130/00 Out	USB	(AB)
E11	23-7	0845	12815	Wed	716/00 Out	USB	(AB)
E11	23-7	0900	11116	Wed	533/00 Out	USB	(AB)
E11	23-7	0930	6923	Wed	278/00 Out	USB	(AB)
E11	23-7	1045	10210	Wed	698/00 Out	USB	(AB)
E11	23-7	1205	8274	Wed	461/00 Out	USB	(AB)
E11	23-7	1605	4783	Wed	393/00 Out	USB	(AB)
E11	23-7	1715	7863	Wed	977/00 Out	USB	(AB)
E11	24-7	0645	11092	Thu	510/00 Out	USB	(AB)
E11	24-7	0720	7984	Thu	435/00 Out	USB	(AB)
E11	24-7	0745	20640	Thu	221/00 Out	USB	(AB-POL)
E11	24-7	0845	19184	Thu	150/00 Out	USB	(AB-POL)
E11	24-7	0930	6923	Thu	275/00 Out	USB	(AB)
E11	24-7	1530	10356	Thu	264/00 Out	USB	(AB)
E11	24-7	1645	14575	Thu	331/00 Out	USB	(AB)
E11	25-7	0600	9150	Fri	354/00 Out	USB	(AB)
E11	25-7	0700	8680	Fri	573/00 Out	USB	(AB)
E11	25-7	0715	12530	Fri	635/00 Out	USB	(AB)
E11	25-7	0720	7984	Fri	438/00 Out	USB	(AB)
E11	25-7	0745	15720	Fri	346/00 Out	USB	(AB)
E11	25-7	1000	12153	Fri	306/00 Out	USB	(AB)
E11	25-7	1715	7863	Fri	976/00 Out	USB	(AB)
E11	25-7	1815	12229	Fri	929/00 Out	USB	(AB)
E11	25-7	1910	9610	Fri	611/00 Out	USB	(AB)
E11	26-7	0700	7377	Sat	498/00 Out	USB	(AB)
E11	26-7	1430	12984	Sat	917/00 Out	USB	(AB)

E11	26-7	1610	4783	Sat	392/00 Out	USB	(AB)
E11	27-7	0600	9150	Sun	358/00 Out	USB	(AB)
E11	27-7	0700	7377	Sun	495/00 Out	USB	(AB)
E11	27-7	1815	12229	Sun	929/00 Out	USB	(AB/Lac)
E11	27-7	1910	9610	Sun	617/00 Out	USB	(AB)
E11	28-7	0600	21906	Mon	949/00 Out	USB	(AB/Lac)
E11	28-7	0645	10508	Mon	418/00 Out	USB	(AB)
E11	28-7	0830	16335	Mon	189/00 Out	USB	(AB/Lac)
E11	28-7	0845	12815	Mon	718/00 Out	USB	(AB/Lac)
E11	28-7	0900	11116	Mon	532/00 Out	USB	(AB-POL/TJ/Lac)
E11	28-7	1045	10210	Mon	694/00 Out	USB	(AB/Lac)
E11	28-7	1300	5737	Mon	313/00 Out	USB	(AB)
E11	28-7	1745	14410	Mon	242/00 Out	USB	(AB)
E11	28-7	1900	7600	Mon	648/00 Out	USB	(AB)
E11	29-7	0645	11092	Tue	510/00 Out	USB	(AB/Lac)
E11	29-7	0700	8680	Tue	571/00 Out	USB	(AB)
E11	29-7	0715	12530	Tue	631/00 Out	USB	(AB)
E11	29-7	0820	17378	Tue	131/00 Out	USB	(AB/Lac)
E11	29-7	0845	19184	Tue	151/00 Out	USB	(AB-POL)
E11	29-7	1000	12153	Tue	300/00 Out	USB	(AB)
E11	29-7	1205	8274	Tue	464/00 Out	USB	(AB)
E11	29-7	1430	12984	Tue	910/00 Out	USB	(AB)
E11	29-7	1605	5231	Tue	233/00 Out	USB	(AB)
E11	30-7	0600	21906	Wed	942/00 Out	USB	(AB-POL)
E11	30-7	0645	10508	Wed	415/00 Out	USB	(AB)
E11	30-7	0820	17378	Wed	131/00 Out	USB	(AB)
E11	30-7	0845	12815	Wed	715/00 Out	USB	(AB)
E11	30-7	0900	11116	Wed	533/00 Out	USB	(AB)
E11	30-7	0930	6923	Wed	279/00 Out	USB	(AB)
E11	30-7	1045	10210	Wed	698/00 Out	USB	(AB)
E11	30-7	1205	8274	Wed	462/00 Out	USB	(AB)
E11	30-7	1605	4783	Wed	393/00 Out	USB	(AB)
E11	30-7	1715	7863	Wed	970/00 Out	USB	(AB)
E11	31-7	0645	11092	Thu	518/00 Out	USB	(AB)
E11	31-7	0720	7984	Thu	435/00 Out	USB	(AB)
E11	31-7	0745	20640	Thu	227/00 Out	USB	(AB)
E11	31-7	0845	19184	Thu	156/00 Out	USB	(AB)
E11	31-7	0930	6923	Thu	275/00 Out	USB	(AB)
E11	31-7	1300	5737	Thu	310/00 Out	USB	(AB)
E11	31-7	1645	14575	Thu	332/00 Out	USB	(AB)
E11	31-7	1900	7600	Thu	647/00 Out	USB	(AB)

E11	31-7	2000	5409	Thu	521/00 Out	USB	(AB)
E11a	1-7	0715	12530	Tue	635/32 Attention 90488 51496 72684 ... 06461 36522 41003 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	1-7	1000	12153	Tue	300/35 Attention 31502 29605 31843 ... 81106 33182 07441 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	2-7	0745	15720	Wed	348/35 Attention 80298 92146 25271 ... 38064 62691 39245 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	2-7	1715	7863	Wed	978/40 Attention 51509 78171 02433 ... 09136 55871 51920 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	4-7	0715	12530	Fri	635/32 Attention 90488 51496 72684 ... 06461 36522 41003 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	4-7	0745	15720	Fri	348/35 Attention 80298 92146 25271 ... 38064 62691 39245 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	4-7	1000	12153	Fri	300/35 Attention 31502 29605 31843 ... 81106 33182 07441 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	4-7	1715	7863	Fri	978/40 Attention 51509 78171 02433 ... 09136 55871 51920 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	7-7	0845	12815	Mon	719/32 Attention 05257 70464 98565 ... 47579 59861 77411 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	7-7	0900	11116	Mon	538/33 Attention 05514 71372 48956 ... 57317 17109 53348 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	8-7	0645	11092	Tue	510/34 Attention 25805 99080 21261 ... 58288 57216 84111 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	8-7	0700	8680	Tue	575/37 Attention 46715 57326 63653 ... 81865 15508 52748 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	8-7	0745	20640	Tue	225/37 Attention 77913 24955 06351 ... 32002 01185 77274 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	9-7	0845	12815	Wed	719/32 Attention 05257 70464 98565 ... 47579 59861 77411 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	9-7	0900	11116	Wed	538/33 Attention 05514 71372 48956 ... 57317 17109 53348 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	9-7	0930	6923	Wed	276/32 Attention 26289 68426 37651 ... 23555 25740 78846 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	9-7	1605	4783	Wed	396/36 Attention 10275 89118 02901 ... 95164 52699 76219 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	10-7	0645	11092	Thu	510/34 Attention 25805 99080 21261 ... 58288 57216 84111 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	10-7	0745	20640	Thu	225/37 Attention 77913 24955 06351 ... 32002 01185 77274 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	10-7	0930	6923	Thu	276/32 Attention 26289 68426 37651 ... 23555 25740 78846 Attention (msg rptd) Out	USB	(AB-POL/Su-bilo)
E11a	11-7	0700	8680	Fri	575/37 Attention 46715 57326 63653 ... 81865 15508 52748 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	11-7	1815	12229	Fri	925/39 Attention 12063 95345 70454 ... 63986 31337 81826 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	11-7	1910	9610	Fri	618/31 Attention 62973 47139 28774 ... 51715 80524 41626 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	12-7	1610	4783	Sat	396/36 Attention 10275 89118 02901 ... 95164 52699 76219 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	13-7	1815	12229	Sun	925/39 Attention 12063 95345 70454 ... 63986 31337 81826 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	13-7	1910	9610	Sun	618/31 Attention 62973 47139 28774 ... 51715 80524 41626 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	14-7	0600	21906	Mon	946/32 Attention 43949 71351 75716 ... 37262 98597 21866 Attention (msg rptd) Out	USB	(AB-POL/Su-bilo)
E11a	15-7	0820	17378	Tue	132/39 Attention 79789 05691 70753 ... 45919 28867 37478 Attention (msg rptd) Out	USB	(AB-POL/Su-bilo)
E11a	15-7	0845	19184	Tue	156/36 Attention 70862 00025 09576 ... 94954 71278 87093 Attention (msg rptd) Out	USB	(AB-POL/Su-bilo)
E11a	15-7	1205	8274	Tue	461/39 Attention 68498 43924 05587 ... 09306 30023 10565 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	15-7	1430	12984	Tue	911/32 Attention 27931 03090 06233 ... 55937 44610 21455 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	15-7	1645	14575	Tue	332/39 Attention 36620 24587 63391 ... 68379 50621 97916 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	16-7	0600	21906	Wed	946/32 Attention 43949 71351 75716 ... 37262 98597 21866 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	16-7	0820	17378	Wed	132/39 Attention 79789 05691 70753 ... 45919 28867 37478 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	16-7	1205	8274	Wed	461/39 Attention 68498 43924 05587 ... 09306 30023 10565 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	17-7	0845	19184	Thu	156/36 Attention 70862 00025 09576 ... 94954 71278 87093 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	17-7	1645	14575	Thu	332/39 Attention 36620 24587 63391 ... 68379 50621 97916 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)

E11a	18-7	0600	9150	Fri	352/35 Attention 26778 75141 15385 ... 16773 57575 15477 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	19-7	0700	7377	Sat	495/38 Attention 65913 95336 05892 ... 63161 44560 30629 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	19-7	1430	12984	Sat	911/32 Attention 27931 03090 06233 ... 55937 44610 21455 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	20-7	0600	9150	Sun	352/35 Attention 26778 75141 15385 ... 16773 57575 15477 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	20-7	0700	7377	Sun	495/38 Attention 65913 95336 05892 ... 63161 44560 30629 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	21-7	0645	10508	Mon	418/40 Attention 68733 14155 07889 ... 29927 74768 14930 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	21-7	0830	16335	Mon	183/20 Attention 00899 57642 51585 ... 79108 63733 90677 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	21-7	1300	5737	Mon	311/36 Attention 27797 98477 65619 ... 65973 66565 76126 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	21-7	1745	14410	Mon	248/35 Attention 35581 61734 28389 ... 42128 44662 50720 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	21-7	1900	7600	Mon	647/30 Attention 87589 14298 94482 ... 02744 65542 63609 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	22-7	1605	5231	Tue	232/37 Attention 16007 23907 04852 ... 68922 55536 55511 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	23-7	0645	10508	Wed	418/40 Attention 68733 14155 07889 ... 29927 74768 14930 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	24-7	1300	5737	Thu	311/36 Attention 27797 98477 65619 ... 65973 66565 76126 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	24-7	1900	7600	Thu	647/30 Attention 87589 14298 94482 ... 02744 65542 63609 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	24-7	2000	5409	Thu	525/33 Attention 15037 42629 61501 ... 24476 93832 87624 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	25-7	0830	16335	Fri	183/20 Attention 00899 57642 51585 ... 79108 63733 90677 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	26-7	1645	5082	Sat	365/38 Attention 76519 71469 12311 ... 28259 56930 30445 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	27-7	1605	5231	Sun	232/37 Attention 16007 23907 04852 ... 68922 55536 55511 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	27-7	1745	14410	Sun	248/35 Attention 35581 61734 28389 ... 42128 44662 50720 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	27-7	2000	5409	Sun	525/33 Attention 15037 42629 61501 ... 24476 93832 87624 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	28-7	0715	15915	Mon	755/38 Attention 30246 29723 45789 ... 48438 41001 92756 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	28-7	0745	9610	Mon	261/33 Attention 24206 52822 22558 ... 48887 15716 12705 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	30-7	0715	15915	Wed	755/38 Attention 30246 29723 45789 ... 48438 41001 92756 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	31-7	1530	10356	Thu	261/33 Attention 24206 52822 22558 ... 48887 15716 12705 Attention (msg rptd) Out	USB	(AB/Subilo)
F01	1-7	1015	11141	Tue	Messages 73 and 74	FSK 200/500	(AB/HFD)
F01	1-7	1025	9192	Tue	Messages 73 and 74	FSK 200/500	(AB/HFD)
F01	1-7	1035	7363	Tue	Messages 73 and 74	FSK 200/500	(AB/HFD)
F01	2-7	1015	11141	Wed	Message 75	FSK 200/500	(AB)
F01	2-7	1025	9192	Wed	Message 75	FSK 200/500	(AB)
F01	2-7	1035	7363	Wed	Message 75	FSK 200/500	(AB)
F01	3-7	1015	11141	Thu	Messages 76 and 77	FSK 200/500	(AB)
F01	3-7	1025	9192	Thu	Messages 76 and 77	FSK 200/500	(AB)
F01	3-7	1035	7363	Thu	Messages 76 and 77	FSK 200/500	(AB)
F01	4-7	1015	11141	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	4-7	1025	9192	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	4-7	1035	7363	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	7-7	1015	11141	Mon	Message 78	FSK 200/500	(AB)
F01	7-7	1025	9192	Mon	Message 78	FSK 200/500	(AB)
F01	7-7	1035	7363	Mon	Message 78	FSK 200/500	(AB)
F01	8-7	1015	11141	Tue	Messages 79 and 80	FSK 200/500	(AB)
F01	8-7	1025	9192	Tue	Messages 79 and 80	FSK 200/500	(AB)
F01	8-7	1035	7363	Tue	Messages 79 and 80	FSK 200/500	(AB)

F01	9-7	1015	11141	Wed	Message 81	FSK 200/500	(AB)
F01	9-7	1025	9192	Wed	Message 81	FSK 200/500	(AB)
F01	9-7	1035	7363	Wed	Message 81	FSK 200/500	(AB)
F01	10-7	1015	11141	Thu	Messages 82 and 83	FSK 200/500	(AB)
F01	10-7	1025	9192	Thu	Messages 82 and 83	FSK 200/500	(AB)
F01	10-7	1035	7363	Thu	Messages 82 and 83	FSK 200/500	(AB)
F01	11-7	1015	11141	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	11-7	1025	9192	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	11-7	1035	7363	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	14-7	1015	11141	Mon	Message 84	FSK 200/500	(AB)
F01	14-7	1025	9192	Mon	Message 84	FSK 200/500	(AB)
F01	14-7	1035	7363	Mon	Message 84	FSK 200/500	(AB)
F01	15-7	1015	11141	Tue	Messages 85 and 86	FSK 200/500	(AB)
F01	15-7	1025	9192	Tue	Messages 85 and 86	FSK 200/500	(AB)
F01	15-7	1035	7363	Tue	Messages 85 and 86	FSK 200/500	(AB)
F01	16-7	1015	11141	Wed	Message 87	FSK 200/500	(AB)
F01	16-7	1025	9192	Wed	Message 87	FSK 200/500	(AB)
F01	16-7	1035	7363	Wed	Message 87	FSK 200/500	(AB)
F01	17-7	1015	11141	Thu	Too weak to decode. Probably messages 88 and 89	FSK 200/500	(AB)
F01	17-7	1025	9192	Thu	Too weak to decode. Probably messages 88 and 89	FSK 200/500	(AB)
F01	17-7	1035	7363	Thu	Too weak to decode. Probably messages 88 and 89	FSK 200/500	(AB)
F01	18-7	1015	11141	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	18-7	1025	9192	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	18-7	1035	7363	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	21-7	1015	11141	Mon	Message 90	FSK 200/500	(AB)
F01	21-7	1025	9192	Mon	Message 90	FSK 200/500	(AB)
F01	21-7	1035	7363	Mon	Message 90	FSK 200/500	(AB)
F01	22-7	1015	11141	Tue	Messages 91 and 92	FSK 200/500	(AB)
F01	22-7	1025	9192	Tue	Messages 91 and 92	FSK 200/500	(AB)
F01	22-7	1035	7363	Tue	Messages 91 and 92	FSK 200/500	(AB)
F01	23-7	1015	11141	Wed	Message 94	FSK 200/500	(AB)
F01	23-7	1025	9192	Wed	Message 94	FSK 200/500	(AB)
F01	23-7	1035	7363	Wed	Message 94	FSK 200/500	(AB)
F01	24-7	1015	11141	Thu	Messages 94 and 95	FSK 200/500	(AB)
F01	24-7	1025	9192	Thu	Messages 94 and 95	FSK 200/500	(AB)
F01	24-7	1035	7363	Thu	Messages 94 and 95	FSK 200/500	(AB)
F01	25-7	1015	11141	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	25-7	1025	9192	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	25-7	1035	7363	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	28-7	0035	12185	Mon	11177 00117 23658 28030 01939	FSK 200/500	(PY)
F01	28-7	0125	14878	Mon	11177 00117 23658 28030 01939	FSK 200/500	(PY)
F01	28-7	0135	12185	Mon	11177 00117 23658 28030 01939	FSK 200/500	(PY)

F01	28-7	1015	11141	Mon	Message 96	FSK 200/500	(AB)
F01	28-7	1025	9192	Mon	Message 96	FSK 200/500	(AB)
F01	28-7	1035	7363	Mon	Message 96	FSK 200/500	(AB)
F01	31-7	1015	11141	Thu	Messages 97 and 98	FSK 200/500	(AB)
F01	31-7	1025	9192	Thu	Messages 97 and 98	FSK 200/500	(AB)
F01	31-7	1035	7363	Thu	Messages 97 and 98	FSK 200/500	(AB)
F03j	1-7	0430	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-7	0435	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-7	0800	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-7	0805	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-7	0835	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-7	0840	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-7	0945	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-7	0950	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-7	0530	16132	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-7	0535	16132	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-7	0915	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-7	0920	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-7	1010	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-7	1015	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-7	0430	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-7	0430	16125	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-7	0435	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-7	0435	16125	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-7	0725	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-7	0730	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-7	0735	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-7	0740	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-7	0835	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-7	0840	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-7	0915	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-7	0920	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-7	0810	18030	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-7	0815	18030	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-7	0930	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-7	0935	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-7	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-7	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-7	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-7	0740	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-7	0810	18030	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-7	0815	18030	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	7-7	0930	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-7	0935	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-7	1010	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-7	1015	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-7	0430	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-7	0435	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-7	0725	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-7	0730	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-7	0800	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-7	0805	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-7	0835	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	8-7	0840	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	8-7	0945	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-7	0950	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-7	0530	16132	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-7	0535	16132	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-7	0615	15915	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-7	0620	15915	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-7	0800	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-7	0810	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-7	0915	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-7	0920	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-7	1010	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-7	1015	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-7	0430	16125	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-7	0430	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(TM)
F03j	10-7	0435	16125	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-7	0435	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(TM)
F03j	10-7	0725	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-7	0730	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-7	0735	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-7	0740	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-7	0835	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-7	0840	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-7	0915	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-7	0920	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-7	0810	18030	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-7	0815	18030	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-7	0930	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-7	0935	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-7	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-7	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	14-7	0530	16132	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-7	0535	16132	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-7	0615	15915	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-7	0620	15915	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-7	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-7	0740	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-7	0810	18030	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-7	0815	18030	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-7	0930	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-7	0935	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-7	1010	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-7	1015	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-7	0430	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-7	0435	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-7	0725	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-7	0730	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-7	0800	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-7	0805	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-7	0835	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	15-7	0840	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	15-7	0945	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-7	0950	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-7	0530	16132	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-7	0535	16132	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-7	0615	15915	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-7	0620	15915	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-7	0800	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-7	0810	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-7	0915	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-7	0920	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-7	1010	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-7	1015	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-7	0430	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-7	0430	16125	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-7	0435	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-7	0435	16125	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-7	0735	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-7	0740	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-7	0835	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-7	0840	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-7	0915	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-7	0920	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	18-7	0810	18030	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-7	0815	18030	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-7	0930	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-7	0935	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-7	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-7	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-7	0530	16132	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-7	0535	16132	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-7	0615	15915	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-7	0620	15915	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-7	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-7	0740	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-7	0810	18030	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-7	0815	18030	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-7	0930	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-7	0935	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-7	1010	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-7	1015	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-7	0430	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-7	0435	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-7	0725	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-7	0730	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-7	0800	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-7	0805	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-7	0835	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	22-7	0840	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	22-7	0945	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-7	0950	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-7	0530	16132	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-7	0535	16132	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-7	0615	15915	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-7	0620	15915	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-7	0800	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-7	0810	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-7	0915	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-7	0920	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-7	1010	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-7	1015	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-7	0430	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-7	0430	16125	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-7	0435	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-7	0435	16125	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	24-7	0725	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-7	0730	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-7	0735	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-7	0740	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-7	0835	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-7	0840	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-7	0915	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-7	0920	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-7	0810	18030	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-7	0815	18030	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-7	0930	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-7	0935	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-7	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-7	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-7	0530	16132	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-7	0535	16132	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-7	0615	15915	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-7	0620	15915	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-7	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-7	0740	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-7	0810	18030	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-7	0815	18030	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-7	0930	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/TJ)
F03j	28-7	0935	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/TJ)
F03j	28-7	1010	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-7	1015	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-7	0430	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-7	0435	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-7	0835	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	29-7	0840	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	29-7	0945	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-7	0950	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-7	0530	16132	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-7	0535	16132	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-7	0615	15915	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-7	0620	15915	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-7	0800	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-7	0810	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-7	0915	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-7	0920	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-7	1010	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-7	1015	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	31-7	0430	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-7	0430	16125	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-7	0435	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-7	0435	16125	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-7	0725	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-7	0730	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-7	0735	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-7	0740	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-7	0835	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-7	0840	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-7	0915	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-7	0920	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03I	1-7	0635	18978	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	1-7	0640	18978	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	1-7	0810	11493	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	1-7	0815	11493	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	1-7	1800	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	1-7	1805	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	2-7	0950	10125	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	2-7	0955	10125	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-7	0635	18978	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-7	0640	18978	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-7	1800	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-7	1805	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-7	1830	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-7	1835	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-7	0700	7469	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-7	0705	7469	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-7	0850	11493	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-7	0855	11493	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-7	0950	10125	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-7	0955	10125	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-7	1830	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-7	1835	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-7	0615	12089	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-7	0620	12089	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-7	0635	18978	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-7	0640	18978	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-7	0810	11493	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-7	0815	11493	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-7	1800	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-7	1805	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	9-7	0950	10125	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-7	0955	10125	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-7	0615	12089	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-7	0620	12089	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-7	0635	18978	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-7	0640	18978	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-7	0700	7469	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-7	0705	7469	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-7	1800	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-7	1805	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-7	1830	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-7	1835	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-7	0700	7469	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-7	0705	7469	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-7	0850	11493	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-7	0855	11493	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-7	0950	10125	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-7	0955	10125	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-7	1830	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-7	1835	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-7	0615	12089	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-7	0620	12089	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-7	0635	18978	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-7	0635	18978	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-7	0640	18978	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-7	0640	18978	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-7	0810	11493	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-7	0815	11493	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-7	1800	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-7	1805	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-7	0950	10125	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-7	0955	10125	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-7	0615	12089	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-7	0620	12089	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-7	0635	18978	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-7	0640	18978	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-7	0700	7469	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-7	0705	7469	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-7	1800	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-7	1805	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-7	1830	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-7	1835	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	18-7	0700	7469	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-7	0705	7469	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-7	0850	11493	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-7	0855	11493	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-7	0950	10125	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-7	0955	10125	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-7	1830	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-7	1835	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-7	0615	12089	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-7	0620	12089	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-7	0810	11493	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-7	0815	11493	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-7	1800	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-7	1805	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-7	0950	10125	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-7	0955	10125	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-7	0615	12089	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-7	0620	12089	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-7	0635	18978	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-7	0640	18978	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-7	0700	7469	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-7	0705	7469	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-7	1800	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-7	1805	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-7	1830	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-7	1835	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-7	0700	7469	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-7	0705	7469	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-7	0850	11493	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-7	0855	11493	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-7	0615	12089	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-7	0620	12089	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-7	0635	18978	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-7	0640	18978	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-7	0950	10125	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/TJ)
F03I	28-7	0955	10125	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-7	1830	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-7	1835	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-7	0810	11493	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-7	0815	11493	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-7	1800	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-7	1805	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	30-7	0950	10125	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-7	0955	10125	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-7	0615	12089	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-7	0620	12089	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-7	0635	18978	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-7	0640	18978	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-7	0700	7469	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-7	0705	7469	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-7	1800	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-7	1805	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-7	1830	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-7	1835	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F06	1-7	0030	13971	Tue	11166 60070 15487 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	1-7	0040	11127	Tue	11166 60070 15487 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	1-7	0050	20211	Tue	11166 60070 15487 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	1-7	0700	11159	Tue	11166 70202 23568 30070 01639 and 11166 70202 95741 30071 01759	FSK 200/1000	(AB)
F06	1-7	0710	9188	Tue	11166 70202 23568 30070 01639 and 11166 70202 95741 30071 01759	FSK 200/1000	(AB)
F06	1-7	0720	7669	Tue	11166 70202 23568 30070 01639 and 11166 70202 95741 30071 01759	FSK 200/1000	(AB)
F06	1-7	0800	10198	Tue	11100 00000 42186 27096 01099	FSK 200/1000	(AB)
F06	1-7	0810	8082	Tue	11100 00000 42186 27096 01099	FSK 200/1000	(AB)
F06	1-7	0820	6833	Tue	11100 00000 42186 27096 01099	FSK 200/1000	(AB)
F06	1-7	1200	10629	Tue	11166 70202 23568 30070 01639 and 11166 70202 95741 30071 01759	FSK 200/1000	(AB)
F06	1-7	1210	8138	Tue	11166 70202 23568 30070 01639 and 11166 70202 95741 30071 01759	FSK 200/1000	(AB)
F06	1-7	1220	6774	Tue	11166 70202 23568 30070 01639 and 11166 70202 95741 30071 01759	FSK 200/1000	(AB)
F06	1-7	1650	20475	Tue	11166 10053 32147 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-ARS)
F06	1-7	1700	18183	Tue	11166 10053 32147 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	1-7	1710	16319	Tue	11166 10053 32147 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-7	0700	11159	Thu	11166 70202 19485 02073 01859 and 11166 70202 20479 02074 01719	FSK 200/1000	(AB)
F06	3-7	0710	9188	Thu	11166 70202 19485 02073 01859 and 11166 70202 20479 02074 01719	FSK 200/1000	(AB)
F06	3-7	0720	7669	Thu	11166 70202 19485 02073 01859 and 11166 70202 20479 02074 01719	FSK 200/1000	(AB)
F06	3-7	1200	10629	Thu	11166 70202 19485 02073 01859 and 11166 70202 20479 02074 01719	FSK 200/1000	(AB)
F06	3-7	1210	8138	Thu	11166 70202 19485 02073 01859 and 11166 70202 20479 02074 01719	FSK 200/1000	(AB)
F06	3-7	1220	6774	Thu	11166 70202 19485 02073 01859 and 11166 70202 20479 02074 01719	FSK 200/1000	(AB)
F06	3-7	1330	16127	Thu	11166 80214 95173 03018 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-7	1340	12229	Thu	11166 80214 95173 03018 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-7	1350	9958	Thu	11166 80214 95173 03018 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-7	0700	11159	Fri	11166 70202 23568 03066 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-7	0710	9188	Fri	11166 70202 23568 03066 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-7	0720	7669	Fri	11166 70202 23568 03066 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-7	1530	20988	Sun	11166 10053 15948 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-7	1540	18187	Sun	11166 10053 15948 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-7	1550	16169	Sun	11166 10053 15948 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	7-7	0400	10538	Mon	11166 70059 15948 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-7	0410	8107	Mon	11166 70059 15948 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-7	0420	6791	Mon	11166 70059 15948 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-7	0800	9923	Mon	11100 00000 36147 04097 02279	FSK 200/1000	(AB)
F06	7-7	0810	7369	Mon	11100 00000 36147 04097 02279	FSK 200/1000	(AB)
F06	8-7	0700	11159	Tue	11166 70202 25698 07076 01739 and 11166 70202 78561 07077 01979	FSK 200/1000	(AB)
F06	8-7	0710	9188	Tue	11166 70202 25698 07076 01739 and 11166 70202 78561 07077 01979	FSK 200/1000	(AB)
F06	8-7	0720	7669	Tue	11166 70202 25698 07076 01739 and 11166 70202 78561 07077 01979	FSK 200/1000	(AB)
F06	8-7	0800	9923	Tue	11100 00000 36147 04097 02279	FSK 200/1000	(AB)
F06	8-7	0810	7369	Tue	11100 00000 36147 04097 02279	FSK 200/1000	(AB)
F06	8-7	1200	10629	Tue	11166 70202 25698 07076 01739 and 11166 70202 78561 07077 01979	FSK 200/1000	(AB)
F06	8-7	1210	8138	Tue	11166 70202 25698 07076 01739 and 11166 70202 78561 07077 01979	FSK 200/1000	(AB)
F06	8-7	1220	6774	Tue	11166 70202 25698 07076 01739 and 11166 70202 78561 07077 01979	FSK 200/1000	(AB)
F06	8-7	1650	20475	Tue	11166 10053 74523 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-ARS)
F06	8-7	1700	18183	Tue	11166 10053 74523 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8-7	1710	16319	Tue	11166 10053 74523 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9-7	0930	6957	Wed	11100 00000 12345 09006 03029	FSK 200/1000	(PY)
F06	9-7	0940	9425	Wed	11100 00000 12345 09006 03029	FSK 200/1000	(PY)
F06	9-7	0950	11611	Wed	11100 00000 12345 09006 03029	FSK 200/1000	(PY)
F06	10-7	0300	10687	Thu	1 block, 1 msg starting at block #7 (misformed empty transmission), intermittent modulation for a minute	FSK 200/1000	(PY)
F06	10-7	0315	7992	Thu	Message. Too weak to decode	FSK 200/1000	(PY)
F06	10-7	0330	5913	Thu	File 44461 (1851 bytes) binary content	FSK 200/1000	(PY)
F06	10-7	0700	11159	Thu	11166 70202 68371 09079 01579 and 11166 70202 16389 09080 02059	FSK 200/1000	(AB)
F06	10-7	0710	9188	Thu	11166 70202 68371 09079 01579 and 11166 70202 16389 09080 02059	FSK 200/1000	(AB)
F06	10-7	0720	7669	Thu	11166 70202 68371 09079 01579 and 11166 70202 16389 09080 02059	FSK 200/1000	(AB)
F06	10-7	1200	10629	Thu	11166 70202 68371 09079 01579 and 11166 70202 16389 09080 02059	FSK 200/1000	(AB)
F06	10-7	1210	8138	Thu	11166 70202 68371 09079 01579 and 11166 70202 16389 09080 02059	FSK 200/1000	(AB)
F06	10-7	1220	6774	Thu	11166 70202 68371 09079 01579 and 11166 70202 16389 09080 02059	FSK 200/1000	(AB)
F06	10-7	1330	16127	Thu	11166 80214 42536 09010 00049 00000 00000 00000 00000 (wrong date)	FSK 200/1000	(AB)
F06	10-7	1340	12229	Thu	11166 80214 42536 09010 00049 00000 00000 00000 00000 (wrong date)	FSK 200/1000	(AB)
F06	10-7	1350	9958	Thu	11166 80214 42536 09010 00049 00000 00000 00000 00000 (wrong date)	FSK 200/1000	(AB)
F06	11-7	0700	11159	Fri	11100 70202 85941 11165 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-7	0710	9188	Fri	11100 70202 85941 11165 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-7	0720	7669	Fri	11100 70202 85941 11165 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12-7	1750	5913	Sat	11100 00000 12345 12011 03029. wrong asymmetric -500/+160Hz FSK	FSK 200/-500/+160Hz	(PY)
F06	12-7	1800	7992	Sat	11100 00000 12345 12011 03029. wrong asymmetric -500/+160Hz FSK	FSK 200/-500/+160Hz	(PY)
F06	12-7	1810	10687	Sat	11100 00000 12345 12011 03029. wrong asymmetric -500/+160Hz FSK	FSK 200/-500/+160Hz	(PY)
F06	13-7	1530	20988	Sun	11166 10053 57913 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-S)
F06	13-7	1540	18187	Sun	11166 10053 57913 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-S)
F06	13-7	1550	16169	Sun	11166 10053 57913 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KWT)
F06	14-7	0800	9923	Mon	11100 00000 59487 11098 03079	FSK 200/1000	(AB)

F06	14-7	0810	7369	Mon	11100 00000 59487 11098 03079	FSK 200/1000	(AB)
F06	15-7	0030	13971	Tue	11166 60070 15487 15001 00049 00000 00000 00000 00000	FSK 200/1000	(TM)
F06	15-7	0040	11127	Tue	11166 60070 15487 15001 00049 00000 00000 00000 00000	FSK 200/1000	(TM)
F06	15-7	0050	10211	Tue	11166 60070 15487 15001 00049 00000 00000 00000 00000	FSK 200/1000	(TM)
F06	15-7	0700	11159	Tue	11166 70202 16328 14082 01519 and 11166 70202 21496 14083 02079	FSK 200/1000	(AB)
F06	15-7	0710	9188	Tue	11166 70202 16328 14082 01519 and 11166 70202 21496 14083 02079	FSK 200/1000	(AB)
F06	15-7	0720	7669	Tue	11166 70202 16328 14082 01519 and 11166 70202 21496 14083 02079	FSK 200/1000	(AB)
F06	15-7	0800	9923	Tue	11100 00000 59487 11098 03079	FSK 200/1000	(AB)
F06	15-7	0810	7369	Tue	11100 00000 59487 11098 03079	FSK 200/1000	(AB)
F06	15-7	1200	10629	Tue	11166 70202 16328 14082 01519 and 11166 70202 21496 14083 02079	FSK 200/1000	(AB)
F06	15-7	1210	8138	Tue	11166 70202 16328 14082 01519 and 11166 70202 21496 14083 02079	FSK 200/1000	(AB)
F06	15-7	1220	6774	Tue	11166 70202 16328 14082 01519 and 11166 70202 21496 14083 02079	FSK 200/1000	(AB)
F06	15-7	1650	20475	Tue	11166 10053 82456 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-7	1700	18183	Tue	11166 10053 82456 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-7	1710	16319	Tue	11166 10053 82456 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-7	0700	11159	Thu	11166 70202 20436 16085 01379 and 11166 70202 41308 16086 02199	FSK 200/1000	(AB)
F06	17-7	0710	9188	Thu	11166 70202 20436 16085 01379 and 11166 70202 41308 16086 02199	FSK 200/1000	(AB)
F06	17-7	0720	7669	Thu	11166 70202 20436 16085 01379 and 11166 70202 41308 16086 02199	FSK 200/1000	(AB)
F06	17-7	1200	10629	Thu	11166 70202 20436 16085 01379 and 11166 70202 41308 16086 02199	FSK 200/1000	(AB)
F06	17-7	1210	8138	Thu	11166 70202 20436 16085 01379 and 11166 70202 41308 16086 02199	FSK 200/1000	(AB)
F06	17-7	1220	6774	Thu	11166 70202 20436 16085 01379 and 11166 70202 41308 16086 02199	FSK 200/1000	(AB)
F06	17-7	1330	16127	Thu	11166 80214 53247 17067 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-7	1340	12229	Thu	11166 80214 53247 17067 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-7	1350	9958	Thu	11166 80214 53247 17067 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-7	0700	11159	Fri	11166 70202 95428 18058 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-7	0710	9188	Fri	11166 70202 95428 18058 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-7	0720	7669	Fri	11166 70202 95428 18058 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-7	1530	20988	Sun	11166 10053 45732 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-IRQ)
F06	20-7	1540	18187	Sun	11166 10053 45732 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-IRQ)
F06	20-7	1550	16169	Sun	11166 10053 45732 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-7	0400	10538	Mon	11166 70059 95184 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-7	0410	8107	Mon	11166 70059 95184 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-7	0420	6791	Mon	11166 70059 95184 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-7	0800	9923	Mon	11100 00000 26598 18099 00879	FSK 200/1000	(AB)
F06	21-7	0810	7369	Mon	11100 00000 26598 18099 00879	FSK 200/1000	(AB)
F06	21-7	0820	5341	Mon	11100 00000 26598 18099 00879	FSK 200/1000	(AB)
F06	22-7	0030	13971	Tue	11166 60070 13579 22001 00049 00000 00000 00000 00000	FSK 200/1000	(TM)
F06	22-7	0040	11127	Tue	11166 60070 13579 22001 00049 00000 00000 00000 00000	FSK 200/1000	(TM)
F06	22-7	0050	10211	Tue	11166 60070 13579 22001 00049 00000 00000 00000 00000	FSK 200/1000	(TM)
F06	22-7	0700	11159	Tue	11166 70202 20167 21088 01359 and 11166 70202 12678 21089 02179	FSK 200/1000	(AB)
F06	22-7	0710	9188	Tue	11166 70202 20167 21088 01359 and 11166 70202 12678 21089 02179	FSK 200/1000	(AB)
F06	22-7	0720	7669	Tue	11166 70202 20167 21088 01359 and 11166 70202 12678 21089 02179	FSK 200/1000	(AB)

F06	22-7	0800	9923	Tue	11100 00000 26598 18099 00879	FSK 200/1000	(AB)
F06	22-7	0810	7369	Tue	11100 00000 26598 18099 00879	FSK 200/1000	(AB)
F06	22-7	0820	5341	Tue	11100 00000 26598 18099 00879	FSK 200/1000	(AB)
F06	22-7	1200	10629	Tue	11166 70202 20167 21088 01359 and 11166 70202 12678 21089 02179	FSK 200/1000	(AB)
F06	22-7	1210	8138	Tue	11166 70202 20167 21088 01359 and 11166 70202 12678 21089 02179	FSK 200/1000	(AB)
F06	22-7	1220	6774	Tue	11166 70202 20167 21088 01359 and 11166 70202 12678 21089 02179	FSK 200/1000	(AB)
F06	22-7	1650	20475	Tue	11166 10053 14753 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-IRL)
F06	22-7	1700	18183	Tue	11166 10053 14753 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	22-7	1710	16319	Tue	11166 10053 14753 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-7	0700	11159	Thu	11166 70202 32157 23091 01539 and 11166 70202 65487 23092 01619	FSK 200/1000	(AB)
F06	24-7	0710	9188	Thu	11166 70202 32157 23091 01539 and 11166 70202 65487 23092 01619	FSK 200/1000	(AB)
F06	24-7	0720	7669	Thu	11166 70202 32157 23091 01539 and 11166 70202 65487 23092 01619	FSK 200/1000	(AB)
F06	24-7	1200	10629	Thu	11166 70202 32157 23091 01539 and 11166 70202 65487 23092 01619	FSK 200/1000	(AB)
F06	24-7	1210	8138	Thu	11166 70202 32157 23091 01539 and 11166 70202 65487 23092 01619	FSK 200/1000	(AB)
F06	24-7	1220	6774	Thu	11166 70202 32157 23091 01539 and 11166 70202 65487 23092 01619	FSK 200/1000	(AB)
F06	24-7	1330	16127	Thu	11166 80214 62481 24031 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-7	1340	12229	Thu	11166 80214 62481 24031 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-7	1350	9958	Thu	11166 80214 62481 24031 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-7	0700	11159	Fri	11166 70202 68719 24091 00049 00000 00000 00000 00000 (wrong date)	FSK 200/1000	(AB)
F06	25-7	0710	9188	Fri	11166 70202 68719 24091 00049 00000 00000 00000 00000 (wrong date)	FSK 200/1000	(AB)
F06	25-7	0720	7669	Fri	11166 70202 68719 24091 00049 00000 00000 00000 00000 (wrong date)	FSK 200/1000	(AB)
F06	27-7	1530	20988	Sun	Too weak to decode	FSK 200/1000	(AB)
F06	27-7	1540	18187	Sun	Too weak to decode	FSK 200/1000	(AB)
F06	27-7	1550	16169	Sun	Too weak to decode	FSK 200/1000	(AB)
F06	28-7	0800	9923	Mon	11100 00000 21598 25001 01259	FSK 200/1000	(AB)
F06	28-7	0800	9923	Mon	11100 00000 21598 25001 01259	FSK 200/1000	(AB)
F06	28-7	0810	7369	Mon	11100 00000 21598 25001 01259	FSK 200/1000	(AB)
F06	28-7	0810	7369	Mon	11100 00000 21598 25001 01259	FSK 200/1000	(AB)
F06	28-7	0820	5341	Mon	11100 00000 21598 25001 01259	FSK 200/1000	(AB)
F06	28-7	0820	5341	Mon	11100 00000 21598 25001 01259	FSK 200/1000	(AB)
F06	29-7	0030	13971	Tue	11166 60070 25813 29078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	29-7	0040	11127	Tue	11166 60070 25813 29078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	29-7	0050	10211	Tue	11166 60070 25813 29078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	29-7	0700	11159	Tue	11166 70202 28167 28094 01479 and 11166 70202 92678 28095 01999	FSK 200/1000	(AB)
F06	29-7	0710	9188	Tue	11166 70202 28167 28094 01479 and 11166 70202 92678 28095 01999	FSK 200/1000	(AB)
F06	29-7	0720	7669	Tue	11166 70202 28167 28094 01479 and 11166 70202 92678 28095 01999	FSK 200/1000	(AB)
F06	29-7	1200	10629	Tue	11166 70202 28167 28094 01479 and 11166 70202 92678 28095 01999	FSK 200/1000	(AB)
F06	29-7	1210	8138	Tue	11166 70202 28167 28094 01479 and 11166 70202 92678 28095 01999	FSK 200/1000	(AB)
F06	29-7	1220	6774	Tue	11166 70202 28167 28094 01479 and 11166 70202 92678 28095 01999	FSK 200/1000	(AB)
F06	29-7	1650	20475	Tue	11166 10053 74523 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	29-7	1700	18183	Tue	11166 10053 74523 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	29-7	1710	16319	Tue	11166 10053 74523 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	30-7	1400	11552	Wed	11166 70202 24691 30036 00049 74861 63524 30875 00000	FSK 200/1000	(PY)
F06	30-7	1415	9461	Wed	11166 70202 24691 30036 00049 74861 63524 30875 00000	FSK 200/1000	(PY)
F06	30-7	1430	7844	Wed	11166 70202 24691 30036 00049 74861 63524 30875 00000	FSK 200/1000	(PY)
F06	31-7	0700	11159	Thu	11166 70202 46257 30002 02039 and 11166 70202 91487 30003 02239	FSK 200/1000	(AB)
F06	31-7	0710	9188	Thu	11166 70202 46257 30002 02039 and 11166 70202 91487 30003 02239	FSK 200/1000	(AB)
F06	31-7	0720	7669	Thu	11166 70202 46257 30002 02039 and 11166 70202 91487 30003 02239	FSK 200/1000	(AB)
F06	31-7	1200	10629	Thu	11166 70202 46257 30002 02039 and 11166 70202 91487 30003 02239	FSK 200/1000	(AB)
F06	31-7	1210	8138	Thu	11166 70202 46257 30002 02039 and 11166 70202 91487 30003 02239	FSK 200/1000	(AB)
F06	31-7	1220	6774	Thu	11166 70202 46257 30002 02039 and 11166 70202 91487 30003 02239	FSK 200/1000	(AB)
F06	31-7	1330	16127	Thu	11166 80214 65482 30057 00049 00000 00000 00000 00000. Wrong date	FSK 200/1000	(AB)
F06	31-7	1340	12229	Thu	11166 80214 65482 30057 00049 00000 00000 00000 00000. Wrong date	FSK 200/1000	(AB)
F06	31-7	1350	9958	Thu	11166 80214 65482 30057 00049 00000 00000 00000 00000. Wrong date	FSK 200/1000	(AB)
F06a	1-7	0300	10687	Tue	File 44450 (1812 bytes. empty text header, binary content)	FSK 200/1000	(PY)
F06a	1-7	0315	7992	Tue	File 44450 (1812 bytes. empty text header, binary content)	FSK 200/1000	(PY)
F06a	1-7	0330	5913	Tue	File 44450 (1812 bytes. empty text header, binary content)	FSK 200/1000	(PY)
F06a	2-7	0300	10687	Wed	Files 44451 (1984 bytes) and 44452 (1616 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	2-7	0315	7992	Wed	Files 44451 (1984 bytes) and 44452 (1616 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	2-7	0330	5913	Wed	Files 44451 (1984 bytes) and 44452 (1616 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	2-7	0600	12073	Wed	File 44149 (binary content)	FSK 200/1000	(AB)
F06a	2-7	0615	14073	Wed	File 44149 (binary content)	FSK 200/1000	(AB)
F06a	2-7	0630	16129	Wed	File 44149 (binary content)	FSK 200/1000	(AB)
F06a	2-7	0700	11159	Wed	File 44472 (binary content)	FSK 200/1000	(AB)
F06a	2-7	0715	9188	Wed	File 44472 (binary content)	FSK 200/1000	(AB)
F06a	2-7	0730	7669	Wed	File 44472 (binary content)	FSK 200/1000	(AB)
F06a	2-7	1200	10629	Wed	File 44472 (binary content)	FSK 200/1000	(AB)
F06a	2-7	1215	8138	Wed	File 44472 (binary content)	FSK 200/1000	(AB)
F06a	2-7	1230	6774	Wed	File 44472 (binary content)	FSK 200/1000	(AB)
F06a	2-7	1900	11122	Wed	Files 44451 (1984 bytes) and 44452 (1616 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	2-7	1915	9067	Wed	Files 44451 (1984 bytes) and 44452 (1616 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	2-7	1930	6791	Wed	Files 44451 (1984 bytes) and 44452 (1616 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	3-7	0300	10687	Thu	File 44453 (1281 bytes) empty text header, binary contents	FSK 200/1000	(PY)
F06a	3-7	0315	7992	Thu	File 44453 (1281 bytes) empty text header, binary contents	FSK 200/1000	(PY)
F06a	3-7	0330	5913	Thu	File 44453 (1281 bytes) empty text header, binary contents	FSK 200/1000	(PY)
F06a	3-7	0600	12073	Thu	File 44149 (binary content)	FSK 200/1000	(AB)
F06a	3-7	0615	14073	Thu	File 44149 (binary content)	FSK 200/1000	(AB)
F06a	3-7	0630	16129	Thu	File 44149 (binary content)	FSK 200/1000	(AB)
F06a	4-7	0300	10687	Fri	Active ~5m TX	FSK 200/1000	(FD)
F06a	4-7	0315	7992	Fri	Active ~5m TX	FSK 200/1000	(FD)
F06a	4-7	0330	5913	Fri	Active ~5m TX	FSK 200/1000	(FD)
F06a	4-7	1900	11122	Fri	Active ~12m TX	FSK 200/1000	(FD)
F06a	4-7	1915	9067	Fri	Active ~12m TX	FSK 200/1000	(FD)
F06a	4-7	1930	6791	Fri	Active ~12m TX	FSK 200/1000	(FD)

F06a	5-7	0300	10687	Sat	Files 44456 (1985 bytes) and 44457 (1762 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	5-7	0300	7871	Sat	File 44423 (binary content)	FSK 200/1000	(TM)
F06a	5-7	0315	7992	Sat	Files 44456 (1985 bytes) and 44457 (1762 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	5-7	0315	9491	Sat	File 44423 (binary content)	FSK 200/1000	(TM)
F06a	5-7	0330	5913	Sat	Files 44456 (1985 bytes) and 44457 (1762 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	5-7	0330	10165	Sat	File 44423 (binary content)	FSK 200/1000	(TM)
F06a	5-7	1600	24462	Sat	File 44423 (binary content)	FSK 200/1000	(TM)
F06a	5-7	1615	20811	Sat	File 44423 (binary content)	FSK 200/1000	(TM)
F06a	5-7	1630	18593	Sat	File 44423 (binary content)	FSK 200/1000	(TM)
F06a	5-7	1900	11122	Sat	Files 44456 (1985 bytes) and 44457 (1762 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	5-7	1915	9067	Sat	Files 44456 (1985 bytes) and 44457 (1762 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	5-7	1930	6791	Sat	Files 44456 (1985 bytes) and 44457 (1762 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	6-7	0300	10687	Sun	Files 44458 (1025 bytes) and 44459 (1550 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	6-7	0315	7992	Sun	Files 44458 (1025 bytes) and 44459 (1550 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	6-7	0330	5913	Sun	Files 44458 (1025 bytes) and 44459 (1550 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	6-7	1900	11122	Sun	Files 44458 (1025 bytes) and 44459 (1550 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	6-7	1915	9067	Sun	Files 44458 (1025 bytes) and 44459 (1550 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	6-7	1930	6791	Sun	Files 44458 (1025 bytes) and 44459 (1550 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	7-7	0700	11159	Mon	File 44475 (binary content)	FSK 200/1000	(AB)
F06a	7-7	0715	9188	Mon	File 44475 (binary content)	FSK 200/1000	(AB)
F06a	7-7	0730	7669	Mon	File 44475 (binary content)	FSK 200/1000	(AB)
F06a	7-7	1200	10629	Mon	File 44475 (binary content)	FSK 200/1000	(AB)
F06a	7-7	1215	8138	Mon	File 44475 (binary content)	FSK 200/1000	(AB)
F06a	7-7	1230	6774	Mon	File 44475 (binary content)	FSK 200/1000	(AB)
F06a	8-7	0300	10687	Tue	File 44460 (1703 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	8-7	0315	7992	Tue	File 44460 (1703 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	8-7	0330	5913	Tue	File 44460 (1703 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	9-7	0600	12073	Wed	File 45450 (binary content)	FSK 200/1000	(AB)
F06a	9-7	0615	14073	Wed	File 45450 (binary content)	FSK 200/1000	(AB)
F06a	9-7	0630	16129	Wed	File 45450 (binary content)	FSK 200/1000	(AB)
F06a	9-7	0700	11159	Wed	File 44478 (binary content)	FSK 200/1000	(AB)
F06a	9-7	0715	9188	Wed	File 44478 (binary content)	FSK 200/1000	(AB)
F06a	9-7	0730	7669	Wed	File 44478 (binary content)	FSK 200/1000	(AB)
F06a	9-7	1200	10629	Wed	File 44478 (binary content)	FSK 200/1000	(AB)
F06a	9-7	1215	8138	Wed	File 44478 (binary content)	FSK 200/1000	(AB)
F06a	9-7	1230	6774	Wed	File 44478 (binary content)	FSK 200/1000	(AB)
F06a	10-7	0600	12073	Thu	File 45450 (binary content)	FSK 200/1000	(AB)
F06a	10-7	0615	14073	Thu	File 45450 (binary content)	FSK 200/1000	(AB)
F06a	10-7	0630	16129	Thu	File 45450 (binary content)	FSK 200/1000	(AB)
F06a	12-7	0300	7871	Sat	File 44424 (binary content)	FSK 200/1000	(AB)
F06a	12-7	0300	10687	Sat	Files 44462 (922 bytes) and 44463 (1024 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	12-7	0315	9491	Sat	File 44424 (binary content)	FSK 200/1000	(AB)

F06a	12-7	0315	7992	Sat	Files 44462 (922 bytes) and 44463 (1024 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	12-7	0330	10165	Sat	File 44424 (binary content)	FSK 200/1000	(AB)
F06a	12-7	0330	5913	Sat	Files 44462 (922 bytes) and 44463 (1024 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	12-7	1600	24462	Sat	File 44424 (binary content). Wrong shift	FSK 200/670	(AB-KWT)
F06a	12-7	1615	20811	Sat	File 44424 (binary content). Wrong shift	FSK 200/670	(AB-KWT)
F06a	12-7	1630	18593	Sat	File 44424 (binary content). Wrong shift	FSK 200/670	(AB-QAT)
F06a	12-7	1900	11122	Sat	Files 44462 (922 bytes) and 44463 (1024 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	12-7	1915	9067	Sat	Files 44462 (922 bytes) and 44463 (1024 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	12-7	1930	6791	Sat	Files 44462 (922 bytes) and 44463 (1024 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	13-7	0300	10687	Sun	Files 44464 (819 bytes) and 44465 (1126 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	13-7	0315	7992	Sun	Files 44464 (819 bytes) and 44465 (1126 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	13-7	0330	5913	Sun	Files 44464 (819 bytes) and 44465 (1126 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	13-7	1900	11122	Sun	Files 44464 (819 bytes) and 44465 (1126 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	13-7	1915	9067	Sun	Files 44464 (819 bytes) and 44465 (1126 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	13-7	1930	6791	Sun	Files 44464 (819 bytes) and 44465 (1126 bytes) empty text header, binary content	FSK 200/1000	(PY)
F06a	14-7	0700	11159	Mon	File 44481 (binary content)	FSK 200/1000	(AB)
F06a	14-7	0715	9188	Mon	File 44481 (binary content)	FSK 200/1000	(AB)
F06a	14-7	0730	7669	Mon	File 44481 (binary content)	FSK 200/1000	(AB)
F06a	14-7	1200	10629	Mon	File 44481 (binary content)	FSK 200/1000	(AB)
F06a	14-7	1215	8138	Mon	File 44481 (binary content)	FSK 200/1000	(AB)
F06a	14-7	1230	6774	Mon	File 44481 (binary content)	FSK 200/1000	(AB)
F06a	16-7	0600	12073	Wed	File 84451 (binary content)	FSK 200/1000	(AB)
F06a	16-7	0615	14073	Wed	File 84451 (binary content)	FSK 200/1000	(AB)
F06a	16-7	0630	16129	Wed	File 84451 (binary content)	FSK 200/1000	(AB)
F06a	16-7	0700	11159	Wed	File 44484 (binary content)	FSK 200/1000	(AB)
F06a	16-7	0715	9188	Wed	File 44484 (binary content)	FSK 200/1000	(AB)
F06a	16-7	0730	7669	Wed	File 44484 (binary content)	FSK 200/1000	(AB)
F06a	16-7	1200	10629	Wed	File 44484 (binary content)	FSK 200/1000	(AB)
F06a	16-7	1215	8138	Wed	File 44484 (binary content)	FSK 200/1000	(AB)
F06a	16-7	1230	6774	Wed	File 44484 (binary content)	FSK 200/1000	(AB)
F06a	17-7	0600	12073	Thu	File 84451 (binary content)	FSK 200/1000	(AB)
F06a	17-7	0615	14073	Thu	File 84451 (binary content)	FSK 200/1000	(AB)
F06a	17-7	0630	16129	Thu	File 84451 (binary content)	FSK 200/1000	(AB)
F06a	19-7	0300	7871	Sat	File 48425 (binary content)	FSK 200/1000	(AB)
F06a	19-7	0315	9491	Sat	File 48425 (binary content)	FSK 200/1000	(AB)
F06a	19-7	0330	10165	Sat	File 48425 (binary content)	FSK 200/1000	(AB)
F06a	19-7	1600	24462	Sat	File 48425 (binary content)	FSK 200/1000	(AB-KWT)
F06a	19-7	1615	20811	Sat	File 48425 (binary content)	FSK 200/1000	(AB)
F06a	19-7	1630	18593	Sat	File 48425 (binary content)	FSK 200/1000	(AB)
F06a	21-7	0700	11159	Mon	File 44487 (binary content)	FSK 200/1000	(AB)
F06a	21-7	0715	9188	Mon	File 44487 (binary content)	FSK 200/1000	(AB)
F06a	21-7	0730	7669	Mon	File 44487 (binary content)	FSK 200/1000	(AB)

F06a	21-7	1200	10629	Mon	File 44487 (binary content)	FSK 200/1000	(AB)
F06a	21-7	1215	8138	Mon	File 44487 (binary content)	FSK 200/1000	(AB)
F06a	21-7	1230	6774	Mon	File 44487 (binary content)	FSK 200/1000	(AB)
F06a	23-7	0600	12073	Wed	File 46452 (binary content)	FSK 200/1000	(AB)
F06a	23-7	0615	14073	Wed	File 46452 (binary content)	FSK 200/1000	(AB)
F06a	23-7	0630	16129	Wed	File 46452 (binary content)	FSK 200/1000	(AB)
F06a	23-7	0700	11159	Wed	File 44490 (binary content)	FSK 200/1000	(AB)
F06a	23-7	0715	9188	Wed	File 44490 (binary content)	FSK 200/1000	(AB)
F06a	23-7	0730	7669	Wed	File 44490 (binary content)	FSK 200/1000	(AB)
F06a	23-7	1200	10629	Wed	File 44490 (binary content)	FSK 200/1000	(AB)
F06a	23-7	1215	8138	Wed	File 44490 (binary content)	FSK 200/1000	(AB)
F06a	23-7	1230	6774	Wed	File 44490 (binary content)	FSK 200/1000	(AB)
F06a	24-7	0600	12073	Thu	File 46452 (binary content)	FSK 200/1000	(AB)
F06a	24-7	0615	14073	Thu	File 46452 (binary content)	FSK 200/1000	(AB)
F06a	24-7	0630	16129	Thu	File 46452 (binary content)	FSK 200/1000	(AB)
F06a	25-7	1900	15611	Fri	File 44044 (binary content)	FSK 200/1000	(AB)
F06a	25-7	1915	14379	Fri	File 44044 (binary content)	FSK 200/1000	(AB)
F06a	25-7	1930	13389	Fri	File 44044 (binary content)	FSK 200/1000	(AB)
F06a	26-7	0300	7871	Sat	File 14426 (binary content)	FSK 200/1000	(AB)
F06a	26-7	0315	9491	Sat	File 14426 (binary content)	FSK 200/1000	(AB)
F06a	26-7	0330	10165	Sat	File 14426 (binary content)	FSK 200/1000	(AB)
F06a	26-7	0600	12194	Sat	File 44044 (binary content)	FSK 200/1000	(AB)
F06a	26-7	0615	11415	Sat	File 44044 (binary content)	FSK 200/1000	(AB)
F06a	26-7	0630	10311	Sat	File 44044 (binary content)	FSK 200/1000	(AB)
F06a	26-7	1600	24462	Sat	File 14426 (binary content)	FSK 200/1000	(AB-KWT)
F06a	26-7	1615	20811	Sat	File 14426 (binary content)	FSK 200/1000	(AB)
F06a	26-7	1630	18593	Sat	File 14426 (binary content)	FSK 200/1000	(AB)
F06a	28-7	0700	11159	Mon	File 44493 (binary content)	FSK 200/1000	(AB)
F06a	28-7	0715	9188	Mon	File 44493 (binary content)	FSK 200/1000	(AB)
F06a	28-7	0730	7669	Mon	File 44493 (binary content)	FSK 200/1000	(AB)
F06a	28-7	1200	10629	Mon	File 44493 (binary content)	FSK 200/1000	(AB)
F06a	28-7	1215	8138	Mon	File 44493 (binary content)	FSK 200/1000	(AB)
F06a	28-7	1230	6774	Mon	File 44493 (binary content)	FSK 200/1000	(AB)
F06a	29-7	1400	11552	Tue	Files 44497 (binary content, empty text header) and 44498 (binary contents, empty text header)	FSK 200/1000	(PY)
F06a	29-7	1415	9461	Tue	Files 44497 (binary content, empty text header) and 44498 (binary contents, empty text header)	FSK 200/1000	(PY)
F06a	29-7	1430	7844	Tue	Files 44497 (binary content, empty text header) and 44498 (binary contents, empty text header)	FSK 200/1000	(PY)
F06a	30-7	0600	12073	Wed	File 44953 (binary content)	FSK 200/1000	(AB)
F06a	30-7	0615	14073	Wed	File 44953 (binary content)	FSK 200/1000	(AB)
F06a	30-7	0630	16129	Wed	File 44953 (binary content)	FSK 200/1000	(AB)

F06a	30-7	0700	11159	Wed	File 44401 (binary content) (off at 0710z for 28sec)	FSK 200/1000	(AB)
F06a	30-7	0715	9188	Wed	File 44401 (binary content)	FSK 200/1000	(AB)
F06a	30-7	0730	7669	Wed	File 44401 (binary content)	FSK 200/1000	(AB)
F06a	30-7	1200	10629	Wed	File 44401 (binary content)	FSK 200/1000	(AB)
F06a	30-7	1215	8138	Wed	File 44401 (binary content)	FSK 200/1000	(AB)
F06a	30-7	1230	6774	Wed	File 44401 (binary content)	FSK 200/1000	(AB)
F06a	31-7	0600	12073	Thu	File 44953 (binary content)	FSK 200/1000	(AB)
F06a	31-7	0615	14073	Thu	File 44953 (binary content)	FSK 200/1000	(AB)
F06a	31-7	0630	16129	Thu	File 44953 (binary content)	FSK 200/1000	(AB)
F07	1-7	2000	17436	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	1-7	2020	15968	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	1-7	2020	16348	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	1-7	2030	14852	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	1-7	2040	13961	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	1-7	2050	13373	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	3-7	2000	17436	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	3-7	2020	15968	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	3-7	2020	16348	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	3-7	2030	14852	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	3-7	2040	13961	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	3-7	2050	13373	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	8-7	2000	17436	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	8-7	2020	15968	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	8-7	2020	16348	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	8-7	2030	14852	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	8-7	2040	13961	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	8-7	2050	13373	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	10-7	2000	17436	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	10-7	2020	15968	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	10-7	2020	16348	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	10-7	2030	14852	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	10-7	2040	13961	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	10-7	2050	13373	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	15-7	2000	17436	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	15-7	2020	15968	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	15-7	2020	16348	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	15-7	2030	14852	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	15-7	2040	13961	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	15-7	2050	13373	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	17-7	2000	17436	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	17-7	2020	15968	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	17-7	2020	16348	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)

F07	17-7	2030	14852	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	17-7	2040	13961	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	17-7	2050	13373	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	22-7	2000	17436	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	22-7	2020	15968	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	22-7	2020	16348	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	22-7	2030	14852	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	22-7	2040	13961	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	22-7	2050	13373	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	24-7	2000	17436	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	24-7	2020	15968	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	24-7	2020	16348	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	24-7	2030	14852	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	24-7	2040	13961	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	24-7	2050	13373	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	29-7	2000	17436	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	29-7	2020	15968	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	29-7	2020	16348	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	29-7	2030	14852	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	29-7	2040	13961	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	29-7	2050	13373	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	31-7	2000	17436	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	31-7	2020	15968	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	31-7	2020	16348	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	31-7	2030	14852	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	31-7	2040	13961	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	31-7	2050	13373	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
KRE	1-7	0503	18530	Tue	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
KRE	3-7	0633	16120	Thu	DPRK embassy Moscow wkg DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	3-7	1234	16120	Thu	DPRK embassy Moscow wkg DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	9-7	0730	14300	Wed	DPRK embassy Moscow wkg DPRK embassy Berlin	DPRK-ARQ 600/600 LSB	(AB)
KRE	11-7	0727	14300	Fri	DPRK embassy Moscow wkg DPRK embassy Berlin	DPRK-ARQ 600/600 LSB	(AB)
KRE	22-7	1238	16120	Tue	DPRK embassy Moscow wkg DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	25-7	0710	16252	Fri	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneve	DPRK-ARQ 600/600 LSB	(AB)
KRE	25-7	0735	13300	Fri	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneve	DPRK-ARQ 600/600 LSB	(AB)
M01	1-7	2000	4903	Tue	025 554 554 30 30 == 64364 64736 64736 ... 74357 74857 75847 == 554 554 30 30 000	CW	(AB)
M01	3-7	1800	5280	Thu	025 367 367 30 30 == 07382 ...	CW	(AB)
M01	8-7	1800	5280	Tue	025 770 770 30 30 == (too weak to copy)	CW	(AB)
M01	8-7	2000	4903	Tue	025 915 915 30 30 == 59316 89046 78364 ... 84750 74926 75639 == 915 915 30 30 000	CW	(AB)
M01	12-7	1500	6435	Sat	025 697 697 30 30 == 53789 32780 15637 ... 74829 18903 18845 == 679 679 30 30 000	CW	(AB-POL)
M01	15-7	1800	5280	Tue	025 293 293 30 30 = 64738 64739 90498 (too weak to copy)	CW	(AB)
M01	15-7	2000	4903	Tue	025 158 158 30 30 == 73809 27130 27859 (too weak to copy)	CW	(AB)

M01	17-7	1800	5280	Thu	025 215 215 30 30 = = 99876 35649 60989 ... 10968 77098 12044 = = 215 215 30 30 000	CW	(AB)
M01	20-7	0715	9736	Sun	475 = = 105 105 50 50 = = 57612 34576 45675 ... 71267 84984 39121 = 105 105 50 50 000	CW	(PY)
M01	22-7	1800	5280	Tue	025 612 612 30 30 = = 21341 (very weak)	CW	(AB)
M01	22-7	2000	4903	Tue	025 901 901 30 30 = = (too weak to copy)	CW	(AB)
M01	24-7	1800	5280	Thu	025 503 503 30 30 = = (too weak to copy)	CW	(AB)
M01	24-7	2000	4903	Thu	025 681 681 30 30 = = 31625 18726 16527 ... 20937 46739 29718 = = 681 681 30 30 000	CW	(AB)
M01	26-7	0715	9736	Sat	475 (too weak to copy)	CW	(PY)
M01	27-7	0715	9736	Sun	475 (too weak to copy)	CW	(PY)
M01	29-7	2000	4903	Tue	025 055 055 30 30 = = 12645 54635 54657 ...	CW	(AB)
M12	1-7	0300	16272	Tue	299 299 299 1 ...	CW	(HFD-J)
M12	1-7	0320	14972	Tue	299 299 299 1 ...	CW	(HFD-J)
M12	1-7	0340	13972	Tue	299 299 299 1 ...	CW	(HFD-J)
M12	1-7	1100	11519	Tue	289 289 289 1 5082 59 5082 59 00310 14777 41763 ... 24499 06846 05154 000 000	CW	(AB)
M12	1-7	1120	12194	Tue	289 289 289 1 5082 59 5082 59 00310 14777 41763 ... 24499 06846 05154 000 000	CW	(AB)
M12	1-7	1140	13407	Tue	289 289 289 1 5082 59 5082 59 00310 14777 41763 ... 24499 06846 05154 000 000	CW	(AB)
M12	2-7	1900	12162	Wed	546 546 546 1 3320 56 3320 56 89812 34880 69438 ... 62157 01084 85880 000 000	CW	(AB)
M12	2-7	1900	14968	Wed	943 943 943 1 2525 95 2525 95 52490 96554 65672 ... 02181 80560 97484 000 000	CW	(AB/HFD)
M12	2-7	1920	11566	Wed	546 546 546 1 3320 56 3320 56 89812 34880 69438 ... 62157 01084 85880 000 000	CW	(AB)
M12	2-7	1920	14468	Wed	943 943 943 1 2525 95 2525 95 52490 96554 65672 ... 02181 80560 97484 000 000	CW	(AB/HFD)
M12	2-7	1940	10711	Wed	546 546 546 1 3320 56 3320 56 89812 34880 69438 ... 62157 01084 85880 000 000	CW	(AB)
M12	2-7	1940	13368	Wed	943 943 943 1 2525 95 2525 95 52490 96554 65672 ... 02181 80560 97484 000 000	CW	(AB/HFD)
M12	2-7	2310	16158	Wed	183 183 183 1 ...	CW	(HFD)
M12	2-7	2330	14858	Wed	183 183 183 1 ...	CW	(HFD)
M12	2-7	2350	14358	Wed	183 183 183 1 ...	CW	(HFD)
M12	3-7	0400	9176	Thu	257 257 257 1 7606 128 7606 128 39692 72446 67707 ... 26442 06543 01924 000 000	CW	(AB)
M12	3-7	0420	7931	Thu	257 257 257 1 7606 128 7606 128 39692 72446 67707 ... 26442 06543 01924 000 000	CW	(AB)
M12	3-7	0440	6904	Thu	257 257 257 1 7606 128 7606 128 39692 72446 67707 ... 26442 06543 01924 000 000	CW	(AB)
M12	3-7	1800	11435	Thu	983 938 938 1 1768 84 1768 84 16407 75064 28287 ... 76167 61428 80841 000 000	CW	(AB)
M12	3-7	1820	10598	Thu	983 938 938 1 1768 84 1768 84 16407 75064 28287 ... 76167 61428 80841 000 000	CW	(AB)
M12	3-7	1840	9327	Thu	983 938 938 1 1768 84 1768 84 16407 75064 28287 ... 76167 61428 80841 000 000	CW	(AB)
M12	3-7	2000	12217	Thu	617 617 617 000	CW	(AB/RL/HFD)
M12	3-7	2020	10817	Thu	617 617 617 000	CW	(AB/RL/HFD)
M12	4-7	0800	13931	Fri	915 915 915 1 8602 95 8602 95 (too poor to copy)	CW	(PY/HFD)
M12	4-7	0820	12153	Fri	915 915 915 1 8602 95 8602 95 (too poor to copy)	CW	(PY/HFD)
M12	4-7	0840	11536	Fri	915 915 915 1 8602 95 8602 95 (too poor to copy)	CW	(PY/HFD)
M12	4-7	1900	14968	Fri	943 943 943 1 2525 95 2525 95 52490 96554 65672 ... 02181 80560 97484 000 000	CW	(AB)
M12	4-7	1920	14468	Fri	943 943 943 1 2525 95 2525 95 52490 96554 65672 ... 02181 80560 97484 000 000	CW	(AB)
M12	4-7	1940	13368	Fri	943 943 943 1 2525 95 2525 95 52490 96554 65672 ... 02181 80560 97484 000 000	CW	(AB)
M12	4-7	2100	17453	Fri	438 438 438 1 5584 21 5584 21 45762 09914 89130 ... 86217 60041 36234 000 000	CW	(PY/HFD)
M12	4-7	2120	16312	Fri	438 438 438 1 5584 21 5584 21 45762 09914 89130 ... 86217 60041 36234 000 000	CW	(PY/HFD)
M12	4-7	2140	15836	Fri	438 438 438 1 5584 21 5584 21 45762 09914 89130 ... 86217 60041 36234 000 000	CW	(PY/HFD)

M12	5-7	1900	12162	Sat	546 546 546 1 7044 66 7044 66 53219 54351 36451 ... 75393 57138 92106 000 000	CW	(AB)
M12	5-7	1920	11566	Sat	546 546 546 1 7044 66 7044 66 53219 54351 36451 ... 75393 57138 92106 000 000	CW	(AB)
M12	5-7	1940	10711	Sat	546 546 546 1 7044 66 7044 66 53219 54351 36451 ... 75393 57138 92106 000 000	CW	(AB)
M12	5-7	2100	17453	Sat	4438 438 438 1 5584 21 5584 21 45762 09914 89130 ... 86217 60041 36234 000 000	CW	(AB)
M12	5-7	2120	16312	Sat	4438 438 438 1 5584 21 5584 21 45762 09914 89130 ... 86217 60041 36234 000 000	CW	(AB)
M12	5-7	2140	15836	Sat	4438 438 438 1 5584 21 5584 21 45762 09914 89130 ... 86217 60041 36234 000 000	CW	(AB)
M12	7-7	0800	13931	Mon	915 915 915 1 2098 174 2098 174 06719 50548 00378 ... 13370 12472 51809 000 000	CW	(AB-KOR)
M12	7-7	0820	12153	Mon	915 915 915 1 2098 174 2098 174 06719 50548 00378 ... 13370 12472 51809 000 000	CW	(AB-KOR)
M12	7-7	0840	11536	Mon	915 915 915 1 2098 174 2098 174 06719 50548 00378 ... 13370 12472 51809 000 000	CW	(AB-KOR)
M12	7-7	1230	13386	Mon	725 725 725 1 7523 129 7523 129 15810 22632 51723 ... 87653 30477 33529 000 000	CW	(AB)
M12	7-7	1250	12189	Mon	725 725 725 1 7523 129 7523 129 15810 22632 51723 ... 87653 30477 33529 000 000	CW	(AB)
M12	7-7	1310	11491	Mon	725 725 725 1 7523 129 7523 129 15810 22632 51723 ... 87653 30477 33529 000 000	CW	(AB)
M12	7-7	1420	5355.5	Mon	=991721??8?????	CW	(KX0DW-FIN)
M12	7-7	2000	12217	Mon	617 617 617 000	CW	(AB/RL)
M12	7-7	2020	10817	Mon	617 617 617 000	CW	(AB/RL)
M12	8-7	1100	11519	Tue	289 289 289 1 5530 55 5530 55 38875 32670 02335 ... 05741 08113 57759 000 000	CW	(AB)
M12	8-7	1120	12194	Tue	289 289 289 1 5530 55 5530 55 38875 32670 02335 ... 05741 08113 57759 000 000	CW	(AB)
M12	8-7	1140	13407	Tue	289 289 289 1 5530 55 5530 55 38875 32670 02335 ... 05741 08113 57759 000 000	CW	(AB)
M12	9-7	1900	12162	Wed	546 546 546 1 4814 56 4814 56 53335 49341 16132 ... 92600 96125 51526 000 000	CW	(AB)
M12	9-7	1900	14968	Wed	943 943 943 000	CW	(AB)
M12	9-7	1920	11566	Wed	546 546 546 1 4814 56 4814 56 53335 49341 16132 ... 92600 96125 51526 000 000	CW	(AB)
M12	9-7	1920	14468	Wed	943 943 943 000	CW	(AB)
M12	9-7	1940	10711	Wed	546 546 546 1 4814 56 4814 56 53335 49341 16132 ... 92600 96125 51526 000 000	CW	(AB)
M12	10-7	0400	9176	Thu	257 257 257 1 4316 141 4316 141 55987 96975 46972 ... 67025 61688 34325 000 000	CW	(AB)
M12	10-7	0420	7931	Thu	257 257 257 1 4316 141 4316 141 55987 96975 46972 ... 67025 61688 34325 000 000	CW	(AB)
M12	10-7	0440	6904	Thu	257 257 257 1 4316 141 4316 141 55987 96975 46972 ... 67025 61688 34325 000 000	CW	(AB)
M12	10-7	1800	11435	Thu	938 938 938 1 8373 78 8373 78 27849 52626 81370 ... 41679 88089 90250 000 000	CW	(AB)
M12	10-7	1820	10598	Thu	938 938 938 1 8373 78 8373 78 27849 52626 81370 ... 41679 88089 90250 000 000	CW	(AB)
M12	10-7	1840	9327	Thu	938 938 938 1 8373 78 8373 78 27849 52626 81370 ... 41679 88089 90250 000 000	CW	(AB)
M12	10-7	2000	12217	Thu	617 617 617 000	CW	(AB)
M12	10-7	2020	10817	Thu	617 617 617 000	CW	(AB)
M12	11-7	0800	13931	Fri	915 915 915 1 2098 174 2098 174 06719 50548 00378 ... 13370 12472 51809 000 000	CW	(AB-KOR)
M12	11-7	0820	12153	Fri	915 915 915 1 2098 174 2098 174 06719 50548 00378 ... 13370 12472 51809 000 000	CW	(AB-KOR)
M12	11-7	0840	11536	Fri	915 915 915 1 2098 174 2098 174 06719 50548 00378 ... 13370 12472 51809 000 000	CW	(AB-KOR)
M12	11-7	1900	14968	Fri	943 943 943 000	CW	(AB)
M12	11-7	1920	14468	Fri	943 943 943 000	CW	(AB)
M12	11-7	2100	17453	Fri	4438 438 438 1 5584 21 5584 21 45762 09914 89130 ... 86217 60041 36234 000 000	CW	(AB)
M12	11-7	2120	16312	Fri	4438 438 438 1 5584 21 5584 21 45762 09914 89130 ... 86217 60041 36234 000 000	CW	(AB)
M12	11-7	2140	15836	Fri	4438 438 438 1 5584 21 5584 21 45762 09914 89130 ... 86217 60041 36234 000 000	CW	(AB)
M12	12-7	1900	12162	Sat	546 546 546 1 7300 57 7300 57 52585 22921 09514 ... 95289 17333 24765 000 000	CW	(AB)
M12	12-7	1920	11566	Sat	546 546 546 1 7300 57 7300 57 52585 22921 09514 ... 95289 17333 24765 000 000	CW	(AB)
M12	12-7	1940	10711	Sat	546 546 546 1 7300 57 7300 57 52585 22921 09514 ... 95289 17333 24765 000 000	CW	(AB)

M12	12-7	2100	17453	Sat	4438 438 438 1 5584 21 5584 21 45762 09914 89130 ... 86217 60041 36234 000 000	CW	(AB)
M12	12-7	2120	16312	Sat	4438 438 438 1 5584 21 5584 21 45762 09914 89130 ... 86217 60041 36234 000 000	CW	(AB)
M12	12-7	2140	15836	Sat	4438 438 438 1 5584 21 5584 21 45762 09914 89130 ... 86217 60041 36234 000 000	CW	(AB)
M12	14-7	0800	13931	Mon	915 915 1 2805 152 2805 152 94679 43820 22259 ... 87181 64519 96240 000 000	CW	(AB-KOR)
M12	14-7	0820	12153	Mon	915 915 1 2805 152 2805 152 94679 43820 22259 ... 87181 64519 96240 000 000 Restart after group 40	CW	(AB-KOR)
M12	14-7	0840	11536	Mon	915 915 1 2805 152 2805 152 94679 43820 22259 ... 87181 64519 96240 000 000	CW	(AB-KOR)
M12	14-7	1230	13386	Mon	725 725 725 1 6187 137 6187 137 82212 70217 02955 ... 39842 18040 06392 000 000	CW	(AB)
M12	14-7	1250	12189	Mon	725 725 725 1 6187 137 6187 137 82212 70217 02955 ... 39842 18040 06392 000 000	CW	(AB)
M12	14-7	1310	11491	Mon	725 725 725 1 6187 137 6187 137 82212 70217 02955 ... 39842 18040 06392 000 000	CW	(AB)
M12	14-7	2000	12217	Mon	617 617 617 1 6138 187 6138 187 14936 58205 70890 ... 72246 06879 78769 000 000	CW	(AB)
M12	14-7	2020	10817	Mon	617 617 617 1 6138 187 6138 187 14936 58205 70890 ... 72246 06879 78769 000 000	CW	(AB)
M12	14-7	2040	9317	Mon	617 617 617 1 6138 187 6138 187 14936 58205 70890 ... 72246 06879 78769 000 000	CW	(AB)
M12	15-7	1100	11519	Tue	289 289 289 1 1645 55 1645 55 37989 88434 48203 ... 62891 03065 92059 000 000	CW	(AB)
M12	15-7	1120	12194	Tue	289 289 289 1 1645 55 1645 55 37989 88434 48203 ... 62891 03065 92059 000 000	CW	(AB)
M12	15-7	1140	13407	Tue	289 289 289 1 1645 55 1645 55 37989 88434 48203 ... 62891 03065 92059 000 000	CW	(AB)
M12	16-7	0600	10623	Wed	412 412 412 1 5310 58 5310 58 15121 86472 93393 ... 88147 62238 13351 000 000	CW	(PY)
M12	16-7	0610	11448	Wed	412 412 412 1 5310 58 5310 58 15121 86472 93393 ... 88147 62238 13351 000 000	CW	(PY)
M12	16-7	0620	11518	Wed	412 412 412 1 5310 58 5310 58 15121 86472 93393 ... 88147 62238 13351 000 000	CW	(PY)
M12	16-7	0630	12132	Wed	412 412 412 1 5310 58 5310 58 15121 86472 93393 ... 88147 62238 13351 000 000	CW	(PY)
M12	16-7	0640	12193	Wed	412 412 412 1 5310 58 5310 58 15121 86472 93393 ... 88147 62238 13351 000 000	CW	(PY)
M12	16-7	0650	13406	Wed	412 412 412 1 5310 58 5310 58 15121 86472 93393 ... 88147 62238 13351 000 000	CW	(PY)
M12	16-7	1900	12162	Wed	546 546 546 1 1521 54 1521 54 03329 22551 29465 ... 82362 23737 37664 000 000	CW	(AB)
M12	16-7	1900	14968	Wed	943 943 943 000	CW	(AB)
M12	16-7	1920	11566	Wed	546 546 546 1 1521 54 1521 54 03329 22551 29465 ... 82362 23737 37664 000 000	CW	(AB)
M12	16-7	1920	14468	Wed	943 943 943 000	CW	(AB)
M12	16-7	1940	10711	Wed	546 546 546 1 1521 54 1521 54 03329 22551 29465 ... 82362 23737 37664 000 000	CW	(AB)
M12	17-7	0400	9176	Thu	257 257 257 1 3113 123 3113 123 69856 81498 30755 ... 81835 33488 97668 000 000	CW	(AB)
M12	17-7	0420	7931	Thu	257 257 257 1 3113 123 3113 123 69856 81498 30755 ... 81835 33488 97668 000 000	CW	(AB)
M12	17-7	0440	6904	Thu	257 257 257 1 3113 123 3113 123 69856 81498 30755 ... 81835 33488 97668 000 000	CW	(AB)
M12	17-7	1800	11435	Thu	938 938 938 1 5267 75 5267 75 86385 05805 56719 ... 06222 31037 80099 000 000	CW	(AB)
M12	17-7	1820	10598	Thu	938 938 938 1 5267 75 5267 75 86385 05805 56719 ... 06222 31037 80099 000 000	CW	(AB)
M12	17-7	1840	9327	Thu	938 938 938 1 5267 75 5267 75 86385 05805 56719 ... 06222 31037 80099 000 000	CW	(AB)
M12	17-7	2000	12217	Thu	617 617 617 1 6138 187 6138 187 14936 58205 70890 ... 72246 06879 78769 000 000	CW	(AB)
M12	17-7	2020	10817	Thu	617 617 617 1 6138 187 6138 187 14936 58205 70890 ... 72246 06879 78769 000 000	CW	(AB)
M12	17-7	2040	9317	Thu	617 617 617 1 6138 187 6138 187 14936 58205 70890 ... 72246 06879 78769 000 000	CW	(AB)
M12	18-7	0800	13931	Fri	915 915 1 2805 152 2805 152 94679 43820 22259 ... 87181 64519 96240 000 000	CW	(AB-KOR)
M12	18-7	0820	12153	Fri	915 915 1 2805 152 2805 152 94679 43820 22259 ... 87181 64519 96240 000 000	CW	(AB-KOR)
M12	18-7	0840	11536	Fri	915 915 1 2805 152 2805 152 94679 43820 22259 ... 87181 64519 96240 000 000	CW	(AB-KOR)
M12	18-7	1900	14968	Fri	943 943 943 000	CW	(AB)
M12	18-7	1920	14468	Fri	943 943 943 000	CW	(AB)
M12	18-7	2100	17453	Fri	438 438 438 1 1299 164 1299 164 66203 93638 68967 ... 42974 31772 90636 000 000	CW	(AB)

M12	18-7	2120	16312	Fri	438 438 438 1 1299 164 1299 164 66203 93638 68967 ... 42974 31772 90636 000 000	CW	(AB)
M12	18-7	2140	15836	Fri	438 438 438 1 1299 164 1299 164 66203 93638 68967 ... 42974 31772 90636 000 000	CW	(AB)
M12	19-7	1900	12162	Sat	546 546 546 1 7158 50 7158 50 33449 42443 90514 ... 82371 69783 53742 000 000	CW	(AB)
M12	19-7	1920	11566	Sat	546 546 546 1 7158 50 7158 50 33449 42443 90514 ... 82371 69783 53742 000 000	CW	(AB)
M12	19-7	1940	10711	Sat	546 546 546 1 7158 50 7158 50 33449 42443 90514 ... 82371 69783 53742 000 000	CW	(AB)
M12	19-7	2100	17453	Sat	438 438 438 1 1299 164 1299 164 66203 93638 68967 ... 42974 31772 90636 000 000	CW	(AB)
M12	19-7	2120	16312	Sat	438 438 438 1 1299 164 1299 164 66203 93638 68967 ... 42974 31772 90636 000 000	CW	(AB)
M12	19-7	2140	15836	Sat	438 438 438 1 1299 164 1299 164 66203 93638 68967 ... 42974 31772 90636 000 000	CW	(AB)
M12	21-7	0800	13931	Mon	915 915 915 1 7917 141 7917 141 33584 27301 61226 ... 88385 50336 68555 000 000	CW	(AB-KOR)
M12	21-7	0820	12153	Mon	915 915 915 1 7917 141 7917 141 33584 27301 61226 ... 88385 50336 68555 000 000	CW	(AB-KOR)
M12	21-7	0840	11536	Mon	915 915 915 1 7917 141 7917 141 33584 27301 61226 ... 88385 50336 68555 000 000	CW	(AB-KOR)
M12	21-7	1230	13386	Mon	725 725 725 1 3795 129 3795 129 24808 86179 71360 ... 13949 26065 000 000	CW	(AB)
M12	21-7	1250	12189	Mon	725 725 725 1 3795 129 3795 129 24808 86179 71360 ... 13949 26065 000 000	CW	(AB)
M12	21-7	1310	11491	Mon	725 725 725 1 3795 129 3795 129 24808 86179 71360 ... 13949 26065 000 000	CW	(AB)
M12	21-7	2000	12217	Mon	617 617 617 1 6138 187 6138 187 14936 58205 70890 ... 72246 06879 78769 000 000	CW	(AB)
M12	21-7	2020	10817	Mon	617 617 617 1 6138 187 6138 187 14936 58205 70890 ... 72246 06879 78769 000 000	CW	(AB)
M12	21-7	2040	9317	Mon	617 617 617 1 6138 187 6138 187 14936 58205 70890 ... 72246 06879 78769 000 000	CW	(AB)
M12	22-7	1100	11519	Tue	289 289 289 1 8552 56 8552 56 52107 35499 49426 ... 51231 89609 69404 000 000	CW	(AB)
M12	22-7	1120	12194	Tue	289 289 289 1 8552 56 8552 56 52107 35499 49426 ... 51231 89609 69404 000 000	CW	(AB)
M12	22-7	1140	13407	Tue	289 289 289 1 8552 56 8552 56 52107 35499 49426 ... 51231 89609 69404 000 000	CW	(AB)
M12	23-7	1900	12162	Wed	546 546 546 1 8486 63 8486 63 53801 91026 15670 ... 17091 36372 04130 000 000	CW	(AB)
M12	23-7	1900	14968	Wed	943 943 943 1 3651 126 3651 126 92527 24378 60400 ... 10359 69204 15956 000 000	CW	(AB)
M12	23-7	1920	11566	Wed	546 546 546 1 8486 63 8486 63 53801 91026 15670 ... 17091 36372 04130 000 000	CW	(AB)
M12	23-7	1920	14468	Wed	943 943 943 1 3651 126 3651 126 92527 24378 60400 ... 10359 69204 15956 000 000	CW	(AB)
M12	23-7	1940	10711	Wed	546 546 546 1 8486 63 8486 63 53801 91026 15670 ... 17091 36372 04130 000 000	CW	(AB)
M12	23-7	1940	13368	Wed	943 943 943 1 3651 126 3651 126 92527 24378 60400 ... 10359 69204 15956 000 000	CW	(AB)
M12	24-7	0400	9176	Thu	257 257 257 1 7780 129 7780 129 46637 36109 40490 ... 80944 91560 94532 000 000	CW	(AB)
M12	24-7	0420	7931	Thu	257 257 257 1 7780 129 7780 129 46637 36109 40490 ... 80944 91560 94532 000 000	CW	(AB)
M12	24-7	0440	6904	Thu	257 257 257 1 7780 129 7780 129 46637 36109 40490 ... 80944 91560 94532 000 000	CW	(AB)
M12	24-7	1800	11435	Thu	938 938 938 1 6410 79 6410 79 23508 64629 42128 ... 44776 02615 31522 000 000	CW	(AB)
M12	24-7	1820	10598	Thu	938 938 938 1 6410 79 6410 79 23508 64629 42128 ... 44776 02615 31522 000 000	CW	(AB)
M12	24-7	1840	9327	Thu	938 938 938 1 6410 79 6410 79 23508 64629 42128 ... 44776 02615 31522 000 000	CW	(AB)
M12	24-7	2000	12217	Thu	617 617 617 1 6138 187 6138 187 14936 58205 70890 ... 72246 06879 78769 000 000	CW	(AB)
M12	24-7	2020	10817	Thu	617 617 617 1 6138 187 6138 187 14936 58205 70890 ... 72246 06879 78769 000 000	CW	(AB)
M12	24-7	2040	9317	Thu	617 617 617 1 6138 187 6138 187 14936 58205 70890 ... 72246 06879 78769 000 000	CW	(AB)
M12	25-7	0800	13931	Fri	915 915 915 1 7917 141 7917 141 33584 27301 61226 ... 88385 50336 68555 000 000	CW	(AB-KOR)
M12	25-7	0820	12153	Fri	915 915 915 1 7917 141 7917 141 33584 27301 61226 ... 88385 50336 68555 000 000	CW	(AB-KOR)
M12	25-7	0840	11536	Fri	915 915 915 1 7917 141 7917 141 33584 27301 61226 ... 88385 50336 68555 000 000	CW	(AB-KOR)
M12	25-7	1900	14968	Fri	943 943 943 1 3651 126 3651 126 92527 24378 60400 ... 10359 69204 15956 000 000	CW	(AB)
M12	25-7	1920	14468	Fri	943 943 943 1 3651 126 3651 126 92527 24378 60400 ... 10359 69204 15956 000 000	CW	(AB)
M12	25-7	1940	13368	Fri	943 943 943 1 3651 126 3651 126 92527 24378 60400 ... 10359 69204 15956 000 000	CW	(AB)
M12	25-7	2100	17453	Fri	438 438 438 1 1299 164 1299 164 66203 93638 68967 ... 42974 31772 90636 000 000	CW	(AB)

M12	25-7	2120	16312	Fri	438 438 438 1 1299 164 1299 164 66203 93638 68967 ... 42974 31772 90636 000 000	CW	(AB)
M12	25-7	2140	15836	Fri	438 438 438 1 1299 164 1299 164 66203 93638 68967 ... 42974 31772 90636 000 000	CW	(AB)
M12	26-7	1900	12162	Sat	546 546 546 1 3296 57 3296 57 53690 94308 06467 ... 72210 34368 50991 000 000	CW	(AB)
M12	26-7	1920	11566	Sat	546 546 546 1 3296 57 3296 57 53690 94308 06467 ... 72210 34368 50991 000 000	CW	(AB)
M12	26-7	1940	10711	Sat	546 546 546 1 3296 57 3296 57 53690 94308 06467 ... 72210 34368 50991 000 000	CW	(AB)
M12	26-7	2100	17453	Sat	438 438 438 1 1299 164 1299 164 66203 93638 68967 ... 42974 31772 90636 000 000	CW	(AB)
M12	26-7	2120	16312	Sat	438 438 438 1 1299 164 1299 164 66203 93638 68967 ... 42974 31772 90636 000 000	CW	(AB)
M12	26-7	2140	15836	Sat	438 438 438 1 1299 164 1299 164 66203 93638 68967 ... 42974 31772 90636 000 000	CW	(AB)
M12	28-7	0800	13931	Mon	915 915 915 000	CW	(AB-KOR)
M12	28-7	0820	12153	Mon	915 915 915 000	CW	(AB-KOR)
M12	28-7	1230	13386	Mon	725 725 725 1 8271 127 8271 127 81403 59750 53223 ... 30671 95465 46436 000 000	CW	(AB)
M12	28-7	1250	12189	Mon	725 725 725 1 8271 127 8271 127 81403 59750 53223 ... 30671 95465 46436 000 000	CW	(AB/TJ)
M12	28-7	1310	11491	Mon	725 725 725 1 8271 127 8271 127 81403 59750 53223 ... 30671 95465 46436 000 000	CW	(AB/TJ)
M12	28-7	2000	12217	Mon	617 617 617 000	CW	(AB)
M12	28-7	2020	10817	Mon	617 617 617 000	CW	(AB)
M12	29-7	1100	11519	Tue	289 289 289 1 7442 56 7442 56 63692 85152 88800 ... 85180 87793 31265 000 000	CW	(AB)
M12	29-7	1120	12194	Tue	289 289 289 1 7442 56 7442 56 63692 85152 88800 ... 85180 87793 31265 000 000	CW	(AB)
M12	29-7	1140	13407	Tue	289 289 289 1 7442 56 7442 56 63692 85152 88800 ... 85180 87793 31265 000 000	CW	(AB)
M12	30-7	1900	12162	Wed	546 546 546 1 8204 52 8204 52 83790 01557 41311 ... 58507 54024 32299 28067 000 000	CW	(AB)
M12	30-7	1900	14968	Wed	943 943 943 000	CW	(AB)
M12	30-7	1920	11566	Wed	546 546 546 1 8204 52 8204 52 83790 01557 41311 ... 58507 54024 32299 28067 000 000	CW	(AB)
M12	30-7	1920	14468	Wed	943 943 943 000	CW	(AB)
M12	30-7	1940	10711	Wed	546 546 546 1 8204 52 8204 52 83790 01557 41311 ... 58507 54024 32299 28067 000 000	CW	(AB)
M12	31-7	0400	9176	Thu	257 257 257 1 3600 130 3600 130 40048 04758 38027 ... 66737 87262 42498 000 000	CW	(AB)
M12	31-7	0420	7931	Thu	257 257 257 1 3600 130 3600 130 40048 04758 38027 ... 66737 87262 42498 000 000	CW	(AB)
M12	31-7	0440	6904	Thu	257 257 257 1 3600 130 3600 130 40048 04758 38027 ... 66737 87262 42498 000 000	CW	(AB)
M12	31-7	1800	11435	Thu	938 938 938 1 7210 76 7210 76 77144 86267 67886 ... 43375 90539 31707 000 000	CW	(AB)
M12	31-7	1820	10598	Thu	938 938 938 1 7210 76 7210 76 77144 86267 67886 ... 43375 90539 31707 000 000	CW	(AB)
M12	31-7	1840	9327	Thu	938 938 938 1 7210 76 7210 76 77144 86267 67886 ... 43375 90539 31707 000 000	CW	(AB)
M12	31-7	2000	12217	Thu	617 617 617 000	CW	(AB)
M12	31-7	2020	10817	Thu	617 617 617 000	CW	(AB)
M14	1-7	0500	12211	Tue	952 463 463 51 51 = = 23096 01622 95796 ... 74484 67863 56695 = = 463 463 51 51 00000	CW	(AB-J)
M14	1-7	0520	10243	Tue	952 463 463 51 51 = = 23096 01622 95796 ... 74484 67863 56695 = = 463 463 51 51 00000	CW	(AB-J)
M14	2-7	0500	12211	Wed	No transmission	CW	(AB-J)
M14	2-7	0521	10243	Wed	952 360 360 27 27 = = 13402 35907 83192 ... 07133 93249 80698 = = 360 360 27 27 952 871 871 25 25 = = 59172 44758 07929 ... 49838 77739 95738 = = 871 871 25 25 00000	CW	(AB-J)

M14	3-7	0500	12211	Thu	952 360 360 27 27 = = 13402 35907 83192 ... 07133 93249 80698 = = 360 360 27 27 952 871 871 25 25 = = 59172 44758 07929 ... 49838 77739 95738 = = 871 871 25 25 00000	CW	(AB-J)
M14	3-7	0521	10243	Thu	952 360 360 27 27 = = 13402 35907 83192 ... 07133 93249 80698 = = 360 360 27 27 952 871 871 25 25 = = 59172 44758 07929 ... 49838 77739 95738 = = 871 871 25 25 00000	CW	(AB-J)
M14	4-7	0500	12211	Fri	952 952 952 00000	CW	(AB-J)
M14	4-7	0520	10243	Fri	952 952 952 00000	CW	(AB-J)
M14	7-7	0500	12211	Mon	952 471 471 53 53 = = 37411 07197 64998 ... 74748 45109 08101 = = 471 471 53 53 00000	CW	(AB-J)
M14	7-7	0520	10243	Mon	952 471 471 53 53 = = 37411 07197 64998 ... 74748 45109 08101 = = 471 471 53 53 00000	CW	(AB-J)
M14	8-7	0500	12211	Tue	952 471 471 53 53 = = 37411 07197 64998 ... 74748 45109 08101 = = 471 471 53 53 00000	CW	(AB-J)
M14	8-7	0520	10243	Tue	952 471 471 53 53 = = 37411 07197 64998 ... 74748 45109 08101 = = 471 471 53 53 00000	CW	(AB-J)
M14	9-7	0500	12211	Wed	952 467 467 32 32 = = 68930 66613 86322 ... 71081 74591 65846 = = 467 467 32 32 952 830 830 21 21 = = 16871 40278 45393 ... 41093 42129 45402 = = 830 830 21 21 00000	CW	(AB-J)
M14	9-7	0521	10243	Wed	952 467 467 32 32 = = 68930 66613 86322 ... 71081 74591 65846 = = 467 467 32 32 952 830 830 21 21 = = 16871 40278 45393 ... 41093 42129 45402 = = 830 830 21 21 00000	CW	(AB-J)
M14	10-7	0500	12211	Thu	952 467 467 32 32 = = 68930 66613 86322 ... 71081 74591 65846 = = 467 467 32 32 480 952 467 480 467 952 830 830 21 21 = = 16871 40278 45393 ... 952 0 off	CW	(AB-J)
M14	10-7	0521	10243	Thu	952 467 467 32 32 = = 68930 66613 86322 ... 71081 74591 65846 = = 467 467 32 32 952 830 830 21 21 = = 16871 40278 45393 ... 41093 42129 45402 = = 830 830 21 21 00000	CW	(AB-J)
M14	10-7	0930	16347	Thu	617 617 617 00000	CW	(AB)
M14	11-7	0500	12211	Fri	952 952 952 00000	CW	(AB-J)
M14	11-7	0520	10243	Fri	952 952 952 00000	CW	(AB-J)
M14	14-7	0500	12211	Mon	952 913 813 52 52 = = 81258 61665 32373 ... 30630 79005 38804 = = 813 813 52 52 00000	CW	(AB-J)
M14	14-7	0520	10243	Mon	952 913 813 52 52 = = 81258 61665 32373 ... 30630 79005 38804 = = 813 813 52 52 00000	CW	(AB-J)
M14	15-7	0500	12211	Tue	952 913 813 52 52 = = 81258 61665 32373 ... 30630 79005 38804 = = 813 813 52 52 00000	CW	(AB-J)
M14	15-7	0520	10243	Tue	952 913 813 52 52 = = 81258 61665 32373 ... 30630 79005 38804 = = 813 813 52 52 00000	CW	(AB-J)
M14	16-7	0500	12211	Wed	Transmitter issues. Late start and barely audible. Unreadable signal	CW	(AB-J)
M14	16-7	0520	10243	Wed	952 178 178 25 25 = = carrier, off, then resumed halfway group 9: ... 76628 80528 71523 = = 178 178 25 25 952 604 604 28 28 = = 12415 40858 98169 ... 18618 31463 55411 = = 604 604 28 28 00000	CW	(AB-J)
M14	17-7	0500	12211	Thu	95, restarts, then right into group two. 81198 48301 ... 76628 80528 71523 = = 178 178 25 25 952 604 604 28 28 = = 12415 40858 98169 ... 18618 31463 55411 = = 604 604 28 28 00000	CW	(AB-J)
M14	17-7	0522	10243	Thu	952 (R 18s)(10s silence) 952 (R 37s) carrier (15s) 1m48s silence) carrier (58s), then off	FSK CW	(AB-J)
M14	18-7	0500	12211	Fri	952 952 952 00000	CW	(AB-J)
M14	18-7	0520	10243	Fri	952 952 952 00000	CW	(AB-J)

M14	21-7	0500	12211	Mon	No transmission	CW	(AB-J)
M14	21-7	0520	10243	Mon	952 346 346 57 57 = = 16975 16403 48985 .. 02343 53092 41089 = =346 346 57 57 00000	CW	(AB-J)
M14	22-7	0500	12211	Tue	952 346 346 57 57 = = 16975 16403 48985 .. 02343 53092 41089 = =346 346 57 57 00000	CW	(AB-J)
M14	22-7	0520	10243	Tue	952 346 346 57 57 = = 16975 16403 48985 .. 02343 53092 41089 = =346 346 57 57 00000 (restart during callup)	CW	(AB-J)
M14	23-7	0500	12211	Wed	Transmitter issues. 952 436 436 25 25 = = 02279 71959 86581 ... 7 (1min silence) 97079 93791 77391 = = 436 4306 25 25 952 781 781 32 32 = = 98561 89282 00076 ... 49494 45926 49175 = = 781 781 32 32 00	CW	(AB-J)
M14	23-7	0520	10243	Wed	952 436 436 25 25 = = 02279 71959 86581 ... 97279 93791 77391 = = 436 4306 25 25 952 781 781 32 32 = = 98561 89282 00076 ... 49494 45926 49175 = = 781 781 32 32 00000	CW	(AB-J)
M14	24-7	0500	12211	Thu	952 436 436 25 25 = = 02279 71959 86581 ... 97279 93791 77391 = = 436 4306 25 25 952 781 781 32 32 = = 98561 89282 00076 ... 49494 45926 49175 = = 781 781 32 32 00000	CW	(AB-J)
M14	24-7	0522	10243	Thu	952 436 436 25 25 = = 02279 71959 86581 ... 97279 93791 77391 = = 436 4306 25 25 952 781 781 32 32 = = 98561 89282 00076 ... 49494 45926 49175 = = 781 781 32 32 00000	CW	(AB-J)
M14	25-7	0500	12211	Fri	952 952 952 00000	CW	(AB-J)
M14	25-7	0520	10243	Fri	952 952 952 00000	CW	(AB-J)
M14	25-7	0930	16347	Fri	617 617 617 00000	CW	(AB/HFD)
M14	28-7	0500	12211	Mon	952 870 870 51 51 = = 55385 51325 26717 ... 39025 47479 86716 = = 870 870 51 51 00000	CW	(AB-J)
M14	28-7	0520	10243	Mon	952 870 870 51 51 = = 55385 51325 26717 ... 39025 47479 86716 = = 870 870 51 51 00000	CW	(AB-J)
M14	29-7	0500	12211	Tue	952 870 870 51 51 = = 55385 51325 26717 ... 39025 47479 86716 = = 870 870 51 51 00000	CW	(AB-J)
M14	29-7	0520	10243	Tue	952 870 870 51 51 = = 55385 51325 26717 ... 39025 47479 86716 = = 870 870 51 51 00000	CW	(AB-J)
M14	30-7	0500	12211	Wed	952 136 136 24 24 = = 41663 29969 94683 ... 76991 80442 98101 = = 136 136 24 24 952 480 480 36 36 = = 25493 68868 38895 ... 93835 31437 75653 = = 480 480 36 36 00000	CW	(AB-J)
M14	30-7	0520	10243	Wed	952 136 136 24 24 = = 41663 29969 94683 ... 76991 80442 98101 = = 136 136 24 24 952 480 480 36 36 = = 25493 68868 38895 ... 93835 31437 75653 = = 480 480 36 36 00000. Restart during callup	CW	(AB-J)
M14	31-7	0500	12211	Thu	952 136 136 24 24 = = 41663 29969 94683 ... 76991 80442 98101 = = 136 136 24 24 952 480 480 36 36 = = 25493 68868 38895 ... 93835 31437 75653 = = 480 480 36 36 00000	CW	(AB-J)
M14	31-7	0520	10243	Thu	952 136 136 24 24 = = 41663 29969 94683 ... 76991 80442 98101 = = 136 136 24 24 952 480 480 36 36 = = 25493 68868 38895 ... 93835 31437 75653 = = 480 480 36 36 00000	CW	(AB-J)
M23	23-7	0829	10222	Wed	LO48636017 LA1511114 (R25)	CW	(AB)
M23	24-7	1459	7668	Thu	LA1511114 LO48636017 (R25m)	CW	(AB)
M23	25-7	1800	8030	Fri	LO48636017 LA1511114 (R25)	CW	(Pille)
M23	26-7	1600	7668	Sat	LO48636017 LA1511114 (R25)	CW	(AB/Pille)
M42	11-7	0635	11156	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
M42	11-7	0637	15728	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
M42	11-7	0638	11156	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
M42	11-7	0641	11156	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
M42	11-7	0642	11158	Fri	Russian diplo	Serdolik v2	(AB)

M42	11-7	0642	15728	Fri	Russian diplo	Serdolik v2	(AB)
M42	11-7	0654	11158	Fri	Russian diplo	Serdolik v2	(AB)
M42	11-7	0654	15726	Fri	Russian diplo. Test	Serdolik v2	(AB)
M42	11-7	0654	15728	Fri	Russian diplo	Serdolik v2	(AB)
M42	11-7	0817	12193	Fri	Russian diplo	MFSK-66	(AB)
M42	11-7	0818	12178	Fri	Russian diplo	MFSK-66	(AB)
M42	11-7	0834	12193	Fri	Russian diplo	MFSK-66	(AB)
M42	11-7	0839	9286	Fri	Russian diplo	MFSK-66	(AB)
M42	16-7	0637	14454	Wed	Russian diplo. Selcal	Serdolik v2	(AB)
M42	16-7	0638	14452	Wed	Russian diplo	Serdolik v2	(AB)
M42	21-7	0737	12228	Mon	Russian diplo	MFSK-66	(RO)
M42	21-7	0761	10414	Mon	Russian diplo	MFSK-66	(RO)
M42	22-7	0801	11071	Tue	Russian diplo	Serdolik v2	(AB/RO)
M42	22-7	0805	11071	Tue	Russian diplo	Serdolik v2	(RO)
M42	22-7	0956	14970	Tue	Russian diplo. Test	Serdolik v2	(AB)
M42	22-7	1002	20811	Tue	Russian diplo selcal	Serdolik v2	(RO)
M42	22-7	1003	12164	Tue	Russian diplo call up	112-tone modem	(AB)
M42	22-7	1004	20811	Tue	Russian diplo test	Serdolik v2	(RO)
M42	22-7	1006	14970	Tue	Russian diplo. Test	Serdolik v2	(AB/RO)
M42	22-7	1006	14970	Tue	Russian diplo test	Serdolik v2	(RO)
M42	22-7	1017	20811	Tue	Russian diplo test	Serdolik v2	(RO)
M42	22-7	1019	20815	Tue	Russian diplo	Serdolik v2	(RO)
M42	22-7	1021	20811	Tue	Russian diplo selcal	Serdolik v2	(RO)
M42	22-7	1022	20815	Tue	Russian diplo test	Serdolik v2	(RO)
M42	22-7	1024	14970	Tue	Russian diplo. Test	Serdolik v2	(AB/RO)
M42	22-7	1024	14970	Tue	Russian diplo test	Serdolik v2	(RO)
M42	22-7	1035	20815	Tue	Russian diplo test	Serdolik v2	(RO)
M42	22-7	1036	19612	Tue	Russian diplo selcal	Serdolik v2	(RO)
M42	22-7	1038	14970	Tue	Russian diplo. Test	Serdolik v2	(AB)
M42	22-7	1038	14970	Tue	Russian diplo test	Serdolik v2	(RO)
M42	22-7	1039	20815	Tue	Russian diplo	Serdolik v2	(Anon)
M42	22-7	1047	20815	Tue	Russian diplo test	Serdolik v2	(RO)
M42	23-7	0602	12071	Wed	Russian diplo call up (on top of F06a)	112-tone modem	(AB)
M42	23-7	0608	12071	Wed	Russian diplo call up (on top of F06a)	112-tone modem	(AB)
M42	23-7	0737	13460	Wed	Russian diplo	MFSK-66	(RO)
M42	23-7	0758	11152	Wed	Russian diplo selcal	Serdolik v2	(RO)
M42	24-7	1300	16156	Thu	UAL: Russian MFA, Moscow wkg UAG: Russian embassy, Havana Cuba.	FSK 75/500	(TJ)
M42	24-7	1300	18726	Thu	UAG: Russian embassy Havana Cuba wkg UAL: MFA Moscow	FSK 75/500	(TJ)
M42	25-7	0630	13430	Fri	Russian diplo selcal	Serdolik v2	(RO)
M42	25-7	0631	11156	Fri	Russian diplo selcal	Serdolik v2	(RO)
M42	25-7	0633	13430	Fri	Russian diplo selcal	Serdolik v2	(RO)
M42	25-7	0634	11156	Fri	Russian diplo selcal	Serdolik v2	(RO)

M42	25-7	0639	11158	Fri	Russian diplo	Serdolik v2	(RO)
M42	25-7	0648	11158	Fri	Russian diplo tone	Serdolik v2	(RO)
M42	25-7	0826	9288	Fri	Russian diplo	MFSK-66	(AB/RO)
M42	25-7	0826	9288	Fri	Russian diplo	MFSK-66	(RO)
M42b	1-7	----	11080	Tue	RDI: Russian PtP link 340741 wkg RTK 14485 kHz: ZhZhZh RTK RTK RTK RTK DE RDI RDI RDI RTK?	FSK 50/500	(TJ)
M42b	1-7	0718	5800	Tue	RYF2: Russian PtP link 219741 clg RWI	FSK 50/500	(TJ)
M42b	1-7	0718	8115	Tue	RWI: Russian PtP link 121747 wkg RYF2: vvv ryf2 de rwi qrk0 zor k	FSK 50/500	(TJ)
M42b	9-7	0631	17475	Wed	RTK2: Russian Gov. PtP link 121742. Opchat with link RGY2 on 11470 kHz. Closes daily schedule with 121742 rgy2 de rtk2 qrk 0 znn gb sk	FSK CW	(TJ)
M42b	9-7	0633	11470	Wed	RGY: Russian Gov. PtP link 380741. Opchat with RTK2 on 17475 kHz.	FSK CW	(TJ)
M42b	9-7	1125	13920	Wed	KAUJ RBZDQKCAUJ RTKAUDQJBZ MOOOOOOOOOOOO... (repeated)	FSK 50/500	(AB)
M42b	10-7	0644	11080	Thu	RDI: Russian Gov. PtP link 340741. Callup to 121746 RTK. Then FSK 50/500 3rd shift after reply from RTK on 14485 kHz: 340741rtk de rdi ok zor	FSK 50/500	(TJ)
M42b	10-7	0800	19101	Thu	MR4V MR4V MR4V DE 3AZB 3AZB K NW QSY 02669 QSY 02669 K =	CW	(AB)
M42b	11-7	0641	14483	Fri	Russian PtP link 121746: VVV RDI RDI RDI DE RTK RTK QRK? K. 121746. VVV RDI RDI RDI DE RTK RTK QRK 0 ZOR GD K. 121746 BK 121	FSK 50/500	(AB)
M42b	11-7	1136	13453	Fri	KFUJ RTHZLQPCAUJ RTHZLQPJ RKFUDQPTHZ OOOOOOOOOOOOOOOO ... (repeated)	FSK 50/500	(AB)
M42b	14-7	0733	13985	Mon	RRQ6: Russian Gov. PtP link 360741. Callup 121744 to RNM6 on 16180 kHz. Opchat vvv rnm6 de rrq6 gd qrk0 qrk? ok zor k	FSK 50/500	(TJ)
M42b	17-7	1234	16023	Thu	KFUJ RTHZD26CAUJ JTHZLQMO OVJ O OOOOOOQO OVJ O OOOOOOQO OVJ O OOOOOOOOOO ... (repeated)	FSK 50/500	(AB)
M42b	22-7	0619	10185	Tue	RHK6: Russian Gov. PtP link 370741	FSK 50/500	(TJ)
M42b	23-7	0750	5145	Wed	RVQ: Russian Gov. PtP link 121751. Start of daily schedule with RAU2 on 5350 kHz: vvv rau2 rau2 rau2 de rvq rvq qrk?	FSK 50/500	(TJ)
M42b	24-7	0737	5145	Thu	RVQ: Russian Gov. PtP link 121751. 3rd shift callup to RAU2 on 5350 kHz 121752 vvv rau2 rau2 rau2 de rvq rvq qrk?	FSK 50/500	(TJ)
M42b	24-7	1200	6870	Thu	RAZ2: Russian Gov. link 290741. End of day schedule vvv rea de raz2 qrk0 qrk?	FSK 50/500	(TJ)
M42b	24-7	1208	6995	Thu	RVQ: Russian Gov. PtP link 121753. Closure of daily schedule: ruh de rvq qrk0 znn gb sk	FSK 50/500	(TJ)
M42b	24-7	1230	13387	Thu	NT9P: Russian diplo/intel wkg K4MT. Header: 097 100 24 1230 6271 =	CW + FSK 50/500	(TJ)
M42b	28-7	0816	5800	Mon	RYF2: Russian PTP link 219741 wkg RWI on 8115 kHz: 219741 opchat and closure rwi rwi rwi de ryf2 ryf2 ok znn gb 73 sk	FSK 50/500	(TJ)
M42b	28-7	0830	7900	Mon	RNI2: Russian PTP link 121750 opchat and start of the day sched rnv 2 rnv2 rnv2 de rni2 rni2 qrk0 zor gd k	FSK 50/500	(TJ)
M51a	12-7	0700	3881	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by two messages. CQ DE FAV22 VA	CW	(AB)
M51a	12-7	0700	6825	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by two messages. CQ DE FAV22 VA	CW	(AB)
M51b	7-7	1235	6825	Mon	FAV22: 20wpm 5LGs with occasional numbers and punctuation	CW	(KX0DW-AUT)
M89	12-7	1200	5742	Sat	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	12-7	1200	8375	Sat	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	12-7	1200	12124	Sat	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)

M89	12-7	1954	5742	Sat	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	13-7	1205	4357	Sun	V 3JWV (x3) DE QSVP (x2) NR 0162/MZ 2104 RMKS 2344 TO 2193 =	CW	(JPL)
M89	15-7	1135	4393	Tue	WF7U: F NR 65/EX 1940 RMKS CQ = LON8/X1Y8 AR (Working outstations 2JNB, 3BFF, 2E3D, VNV7, and others.	CW	(JPL)
M89	15-7	1835	5742	Tue	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	16-7	1702	5742	Wed	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	16-7	1720	4860	Wed	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	16-7	1720	6840	Wed	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	17-7	1453	5742	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	18-7	1200	8425	Fri	V K8N1 FFF NR 1011/EX 2200 = A2FG8/HQ22N AR QSY TO NR 01	CW	(JPL)
M89	18-7	1220	4860	Fri	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	18-7	1220	6840	Fri	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	18-7	1233	5742	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	18-7	1638	4357	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	18-7	1638	5742	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	19-7	1130	7620	Sat	VVV UIS (x3) DE HV4 (X2)	CW	(JPL)
M89	19-7	1130	8350	Sat	VVV WNF (x3) DE FXM (X2)	CW	(JPL)
M89	19-7	1514	5742	Sat	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	20-7	1935	6840	Sun	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	20-7	1954	5742	Sun	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	25-7	1730	4720	Fri	VVV WNF (x3) DE FXM (X2)	CW	(JPL)
M89	25-7	1730	5151	Fri	VVV WNF (x3) DE FXM (X2) Note: Normally on 5150.	CW	(JPL)
M89	25-7	1746	4357	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	25-7	1746	5742	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	28-7	1120	4860	Mon	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	28-7	1120	6840	Mon	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	31-7	1020	6840	Thu	V Q2M (x3) DE NYZ (x2) (R5)	CW	(JPL)
M89	31-7	1020	8290	Thu	V Q2M (x3) DE NYZ (x2) (R5)	CW	(JPL)
M89	31-7	1040	4357	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	31-7	1040	5742	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	31-7	1040	8375	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	31-7	1040	12124	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	31-7	1120	4860	Thu	V Q2M (x3) DE NYZ (x2) (R5)	CW	(JPL)
M89	31-7	1120	6840	Thu	V Q2M (x3) DE NYZ (x2) (R5)	CW	(JPL)
M95	12-7	1154	4156	Sat	NR 24 CK 193 35 0712 1520 = //9042 kHz	CW	(JPL)
M95	12-7	1154	9042	Sat	NR 24 CK 193 35 0712 1520 = //4156 kHz	CW	(JPL)
M95	12-7	1950	3903	Sat	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	12-7	1950	6886	Sat	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	13-7	1154	4156	Sun	NR 069 CK 32 35 0713 1454 = NR 26 CK 174 35 0713 1518 = //9042 kHz	CW	(JPL)
M95	13-7	1154	9052	Sun	NR 069 CK 32 35 0713 1454 = NR 26 CK 174 35 0713 1518 = //4156 kHz	CW	(JPL)
M95	13-7	1212	6557	Sun	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	13-7	1212	11475	Sun	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)

M95	15-7	1212	4156	Tue	NR 30 CK 199 35 0715 1509 = //9042 kHz	CW	(JPL)
M95	15-7	1212	9052	Tue	NR 30 CK 199 35 0715 1509 = //4156 kHz	CW	(JPL)
M95	15-7	1840	3903	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	15-7	1840	6886	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	16-7	1659	3903	Wed	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	16-7	1659	6886	Wed	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	17-7	1450	3903	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	17-7	1450	6886	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	18-7	1150	4542	Fri	V BNGC DE XS30 NR 0604 CK 672 35 0718 1614 =	CW	(JPL)
M95	18-7	1635	3903	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	18-7	1635	6886	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	19-7	1133	4542	Sat	V BNGC DE XS30 NR 0609 CK 061 35 0719 1700 = NR 0610 CK 0549 35 0719 1701 =	CW	(JPL)
M95	19-7	1202	4156	Sat	Too weak to copy //9042 kHz	CW	(JPL)
M95	19-7	1202	9042	Sat	Too weak to copy //4156 kHz	CW	(JPL)
M95	19-7	1517	3903	Sat	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	19-7	1517	6886	Sat	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	19-7	1540	5656	Sat	NR 5001/CCK CK 91 89 0719 2355 RMKS 1784 TO 3847 TO 3849 TO 1..8 K	CW	(JPL)
M95	20-7	1934	3903	Sun	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	20-7	1934	6886	Sun	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	20-7	1935	4860	Sun	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M95	25-7	1743	3903	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	25-7	1743	6886	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	28-7	1130	8350	Mon	VVV WNF (x3) DE FXM (X2)	CW	(JPL)
M95	31-7	1028	6886	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	31-7	1152	4156	Thu	NR 62 CK 184 35 0731 1545 = //9042 kHz	CW	(JPL)
M95	31-7	1152	9042	Thu	NR 62 CK 184 35 0731 1545 = //4156 kHz	CW	(JPL)
P03	1-7	1100	7727	Tue	Polish intel.	CW	(AB)
P03	1-7	1105	7727	Tue	Polish intel.	CW	(AB)
P03	1-7	1500	9179	Tue	Polish Intel.	PSK	(AB)
P03	1-7	1505	9179	Tue	Polish Intel.	PSK	(AB)
P03	1-7	1725	14410	Tue	Polish intel.	PSK	(AB)
P03	1-7	1730	14410	Tue	Polish intel.	PSK	(AB)
P03	2-7	1030	9179	Wed	Polish intel.	PSK	(AB)
P03	2-7	1035	9179	Wed	Polish intel.	PSK	(AB)
P03	2-7	1100	7727	Wed	Polish intel.	PSK	(AB)
P03	2-7	1105	7727	Wed	Polish intel.	PSK	(AB)
P03	2-7	1310	13427	Wed	Polish intel.	PSK	(AB)
P03	2-7	1315	13427	Wed	Polish intel.	PSK	(AB)
P03	3-7	1950	8759	Thu	Polish intel.	PSK	(AB)
P03	3-7	1955	8759	Thu	Polish intel.	PSK	(AB)
P03	4-7	0530	7894	Fri	Polish intel.	PSK	(AB)
P03	4-7	0535	7894	Fri	Polish intel.	PSK	(AB)

P03	4-7	1100	9399	Fri	Polish intel.	PSK	(AB)
P03	4-7	1105	9399	Fri	Polish intel.	PSK	(AB)
P03	4-7	1500	9179	Fri	Polish Intel.	PSK	(AB)
P03	4-7	1505	9179	Fri	Polish Intel.	PSK	(AB)
P03	4-7	1515	20167	Fri	Polish intel.	PSK	(AB)
P03	4-7	1520	20167	Fri	Polish intel.	PSK	(AB)
P03	5-7	1020	7504	Sat	Polish intel.	PSK	(AB)
P03	5-7	1025	7504	Sat	Polish intel.	PSK	(AB)
P03	5-7	1245	6304	Sat	Polish intel.	PSK	(AB)
P03	5-7	1250	6304	Sat	Polish intel.	PSK	(AB)
P03	5-7	1310	13427	Sat	Polish intel.	PSK	(AB)
P03	5-7	1315	13427	Sat	Polish intel.	PSK	(AB)
P03	6-7	0530	7894	Sun	Polish intel.	PSK	(AB)
P03	6-7	0535	7894	Sun	Polish intel.	PSK	(AB)
P03	6-7	1020	7504	Sun	Polish intel.	PSK	(AB)
P03	6-7	1025	7504	Sun	Polish intel.	PSK	(AB)
P03	6-7	1245	6304	Sun	Polish intel.	PSK	(AB)
P03	6-7	1250	6304	Sun	Polish intel.	PSK	(AB)
P03	6-7	1515	20167	Sun	Polish intel.	PSK	(AB)
P03	6-7	1520	20167	Sun	Polish intel.	PSK	(AB)
P03	6-7	1725	14410	Sun	Polish intel.	PSK	(AB)
P03	6-7	1730	14410	Sun	Polish intel.	PSK	(AB)
P03	6-7	1950	8759	Sun	Polish intel.	PSK	(AB)
P03	6-7	1955	8759	Sun	Polish intel.	PSK	(AB)
P03	7-7	1030	9179	Mon	Polish intel.	PSK	(AB)
P03	7-7	1035	9179	Mon	Polish intel.	PSK	(AB)
P03	8-7	1100	7727	Tue	Polish intel.	CW	(AB)
P03	8-7	1105	7727	Tue	Polish intel.	CW	(AB)
P03	8-7	1500	9179	Tue	Polish Intel.	PSK	(AB)
P03	8-7	1505	9179	Tue	Polish Intel.	PSK	(AB)
P03	8-7	1725	14410	Tue	Polish intel.	PSK	(AB)
P03	8-7	1730	14410	Tue	Polish intel.	PSK	(AB)
P03	9-7	1030	9179	Wed	Polish intel.	PSK	(AB)
P03	9-7	1035	9179	Wed	Polish intel.	PSK	(AB)
P03	9-7	1100	7727	Wed	Polish intel.	PSK	(AB)
P03	9-7	1105	7727	Wed	Polish intel.	PSK	(AB)
P03	9-7	1310	13427	Wed	Polish intel.	PSK	(AB)
P03	9-7	1315	13427	Wed	Polish intel.	PSK	(AB)
P03	10-7	1950	8759	Thu	Polish intel.	PSK	(AB)
P03	10-7	1955	8759	Thu	Polish intel.	PSK	(AB)
P03	11-7	0530	7894	Fri	Polish intel.	PSK	(AB)
P03	11-7	0535	7894	Fri	Polish intel.	PSK	(AB)

P03	11-7	1100	9399	Fri	Polish intel.	PSK	(AB)
P03	11-7	1105	9399	Fri	Polish intel.	PSK	(AB)
P03	11-7	1500	9179	Fri	Polish Intel.	PSK	(AB)
P03	11-7	1505	9179	Fri	Polish Intel.	PSK	(AB)
P03	11-7	1515	20167	Fri	Polish intel.	PSK	(AB)
P03	11-7	1520	20167	Fri	Polish intel.	PSK	(AB)
P03	12-7	1020	7504	Sat	Polish intel.	PSK	(AB)
P03	12-7	1025	7504	Sat	Polish intel.	PSK	(AB)
P03	12-7	1245	6304	Sat	Polish intel.	PSK	(AB)
P03	12-7	1250	6304	Sat	Polish intel.	PSK	(AB)
P03	12-7	1310	13427	Sat	Polish intel.	PSK	(AB)
P03	12-7	1315	13427	Sat	Polish intel.	PSK	(AB)
P03	13-7	0530	7894	Sun	Polish intel.	PSK	(AB)
P03	13-7	0535	7894	Sun	Polish intel.	PSK	(AB)
P03	13-7	1020	7504	Sun	Polish intel.	PSK	(AB)
P03	13-7	1025	7504	Sun	Polish intel.	PSK	(AB)
P03	13-7	1100	9399	Sun	Polish intel.	PSK	(AB)
P03	13-7	1105	9399	Sun	Polish intel.	PSK	(AB)
P03	13-7	1245	6304	Sun	Polish intel.	PSK	(AB)
P03	13-7	1250	6304	Sun	Polish intel.	PSK	(AB)
P03	13-7	1515	20167	Sun	Polish intel.	PSK	(AB)
P03	13-7	1520	20167	Sun	Polish intel.	PSK	(AB)
P03	13-7	1725	14410	Sun	Polish intel.	PSK	(AB)
P03	13-7	1730	14410	Sun	Polish intel.	PSK	(AB)
P03	13-7	1950	8759	Sun	Polish intel.	PSK	(AB)
P03	13-7	1955	8759	Sun	Polish intel.	PSK	(AB)
P03	14-7	1030	9179	Mon	Polish intel.	PSK	(AB)
P03	14-7	1035	9179	Mon	Polish intel.	PSK	(AB)
P03	14-7	1220	18168	Mon	Polish intel.	PSK	(AB)
P03	14-7	1225	18168	Mon	Polish intel.	PSK	(AB)
P03	15-7	1100	7727	Tue	Polish intel.	CW	(AB)
P03	15-7	1105	7727	Tue	Polish intel.	CW	(AB)
P03	15-7	1500	9179	Tue	Polish Intel.	PSK	(AB)
P03	15-7	1505	9179	Tue	Polish Intel.	PSK	(AB)
P03	15-7	1725	14410	Tue	Polish intel.	PSK	(AB)
P03	15-7	1730	14410	Tue	Polish intel.	PSK	(AB)
P03	16-7	1030	9179	Wed	Polish intel.	PSK	(AB)
P03	16-7	1035	9179	Wed	Polish intel.	PSK	(AB)
P03	16-7	1100	7727	Wed	Polish intel.	PSK	(AB)
P03	16-7	1105	7727	Wed	Polish intel.	PSK	(AB)
P03	16-7	1310	13427	Wed	Polish intel.	PSK	(AB)
P03	16-7	1315	13427	Wed	Polish intel.	PSK	(AB)

P03	17-7	1950	8759	Thu	Polish intel.	PSK	(AB)
P03	17-7	1955	8759	Thu	Polish intel.	PSK	(AB)
P03	18-7	0530	7894	Fri	Polish intel.	PSK	(AB)
P03	18-7	0535	7894	Fri	Polish intel.	PSK	(AB)
P03	18-7	1100	9399	Fri	Polish intel.	PSK	(AB)
P03	18-7	1105	9399	Fri	Polish intel.	PSK	(AB)
P03	18-7	1500	9179	Fri	Polish Intel.	PSK	(AB)
P03	18-7	1505	9179	Fri	Polish Intel.	PSK	(AB)
P03	18-7	1515	20167	Fri	Polish intel.	PSK	(AB)
P03	18-7	1520	20167	Fri	Polish intel.	PSK	(AB)
P03	19-7	1020	7504	Sat	Polish intel.	PSK	(AB)
P03	19-7	1025	7504	Sat	Polish intel.	PSK	(AB)
P03	19-7	1245	6304	Sat	Polish intel.	PSK	(AB)
P03	19-7	1250	6304	Sat	Polish intel.	PSK	(AB)
P03	19-7	1310	13427	Sat	Polish intel.	PSK	(AB)
P03	19-7	1315	13427	Sat	Polish intel.	PSK	(AB)
P03	20-7	0530	7894	Sun	Polish intel.	PSK	(AB)
P03	20-7	0535	7894	Sun	Polish intel.	PSK	(AB)
P03	20-7	1020	7504	Sun	Polish intel.	PSK	(AB)
P03	20-7	1025	7504	Sun	Polish intel.	PSK	(AB)
P03	20-7	1100	9399	Sun	Polish intel.	PSK	(AB)
P03	20-7	1105	9399	Sun	Polish intel.	PSK	(AB)
P03	20-7	1220	18168	Sun	Polish intel.	PSK	(AB)
P03	20-7	1225	18168	Sun	Polish intel.	PSK	(AB)
P03	20-7	1245	6304	Sun	Polish intel.	PSK	(AB)
P03	20-7	1250	6304	Sun	Polish intel.	PSK	(AB)
P03	20-7	1515	20167	Sun	Polish intel.	PSK	(AB)
P03	20-7	1520	20167	Sun	Polish intel.	PSK	(AB)
P03	20-7	1725	14410	Sun	Polish intel.	PSK	(AB)
P03	20-7	1730	14410	Sun	Polish intel.	PSK	(AB)
P03	20-7	1950	8759	Sun	Polish intel.	PSK	(AB)
P03	20-7	1955	8759	Sun	Polish intel.	PSK	(AB)
P03	21-7	1030	9179	Mon	Polish intel.	PSK	(AB)
P03	21-7	1035	9179	Mon	Polish intel.	PSK	(AB)
P03	21-7	1220	18168	Mon	Polish intel.	PSK	(AB)
P03	21-7	1225	18168	Mon	Polish intel.	PSK	(AB)
P03	22-7	1100	7727	Tue	Polish intel.	CW	(AB)
P03	22-7	1105	7727	Tue	Polish intel.	CW	(AB)
P03	22-7	1500	9179	Tue	Polish Intel.	PSK	(AB)
P03	22-7	1505	9179	Tue	Polish Intel.	PSK	(AB)
P03	22-7	1725	14410	Tue	Polish intel.	PSK	(AB)
P03	22-7	1730	14410	Tue	Polish intel.	PSK	(AB)

P03	23-7	1030	9179	Wed	Polish intel.	PSK	(AB)
P03	23-7	1035	9179	Wed	Polish intel.	PSK	(AB)
P03	23-7	1100	7727	Wed	Polish intel.	PSK	(AB)
P03	23-7	1105	7727	Wed	Polish intel.	PSK	(AB)
P03	23-7	1310	13427	Wed	Polish intel.	PSK	(AB)
P03	23-7	1315	13427	Wed	Polish intel.	PSK	(AB)
P03	24-7	1950	8759	Thu	Polish intel.	PSK	(AB)
P03	24-7	1955	8759	Thu	Polish intel.	PSK	(AB)
P03	25-7	0530	7894	Fri	Polish intel.	PSK	(AB)
P03	25-7	0535	7894	Fri	Polish intel.	PSK	(AB)
P03	25-7	1100	9399	Fri	Polish intel.	PSK	(AB)
P03	25-7	1105	9399	Fri	Polish intel.	PSK	(AB)
P03	25-7	1500	9179	Fri	Polish Intel.	PSK	(AB)
P03	25-7	1505	9179	Fri	Polish Intel.	PSK	(AB)
P03	25-7	1515	20167	Fri	Polish intel.	PSK	(AB-POL)
P03	25-7	1520	20167	Fri	Polish intel.	PSK	(AB-POL)
P03	26-7	1020	7504	Sat	Polish intel.	PSK	(AB)
P03	26-7	1025	7504	Sat	Polish intel.	PSK	(AB)
P03	26-7	1245	6304	Sat	Polish intel.	PSK	(AB)
P03	26-7	1250	6304	Sat	Polish intel.	PSK	(AB)
P03	26-7	1310	13427	Sat	Polish intel.	PSK	(AB)
P03	26-7	1315	13427	Sat	Polish intel.	PSK	(AB)
P03	27-7	0530	7894	Sun	Polish intel.	PSK	(AB)
P03	27-7	0535	7894	Sun	Polish intel.	PSK	(AB)
P03	27-7	1020	7504	Sun	Polish intel.	PSK	(AB)
P03	27-7	1025	7504	Sun	Polish intel.	PSK	(AB)
P03	27-7	1100	9399	Sun	Polish intel.	PSK	(AB)
P03	27-7	1105	9399	Sun	Polish intel.	PSK	(AB)
P03	27-7	1220	18168	Sun	Polish intel.	PSK	(AB)
P03	27-7	1225	18168	Sun	Polish intel.	PSK	(AB)
P03	27-7	1245	6304	Sun	Polish intel.	PSK	(AB)
P03	27-7	1250	6304	Sun	Polish intel.	PSK	(AB)
P03	27-7	1515	20167	Sun	Polish intel.	PSK	(AB)
P03	27-7	1520	20167	Sun	Polish intel.	PSK	(AB)
P03	27-7	1725	14410	Sun	Polish intel.	PSK	(AB)
P03	27-7	1730	14410	Sun	Polish intel.	PSK	(AB)
P03	27-7	1950	8759	Sun	Polish intel.	PSK	(AB)
P03	27-7	1955	8759	Sun	Polish intel.	PSK	(AB)
P03	28-7	1030	9179	Mon	Polish intel.	PSK	(AB)
P03	28-7	1035	9179	Mon	Polish intel.	PSK	(AB)
P03	28-7	1220	18168	Mon	Polish intel.	PSK	(AB)
P03	28-7	1225	18168	Mon	Polish intel.	PSK	(AB)

P03	29-7	1100	7727	Tue	Polish intel.	CW	(AB)
P03	29-7	1105	7727	Tue	Polish intel.	CW	(AB)
P03	29-7	1500	9179	Tue	Polish Intel.	PSK	(AB)
P03	29-7	1505	9179	Tue	Polish Intel.	PSK	(AB)
P03	29-7	1725	14410	Tue	Polish intel.	PSK	(AB)
P03	29-7	1730	14410	Tue	Polish intel.	PSK	(AB)
P03	30-7	1030	9179	Wed	Polish intel.	PSK	(AB)
P03	30-7	1035	9179	Wed	Polish intel.	PSK	(AB)
P03	30-7	1100	7727	Wed	Polish intel.	PSK	(AB)
P03	30-7	1105	7727	Wed	Polish intel.	PSK	(AB)
P03	30-7	1310	13427	Wed	Polish intel.	PSK	(AB)
P03	30-7	1315	13427	Wed	Polish intel.	PSK	(AB)
P03	31-7	1950	8759	Thu	Polish intel.	PSK	(AB)
P03	31-7	1955	8759	Thu	Polish intel.	PSK	(AB)
P03j	2-7	0630	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	2-7	0635	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	7-7	0630	17535	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	7-7	0635	17535	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	9-7	0630	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	9-7	0635	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	14-7	0630	17535	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	14-7	0635	17535	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	16-7	0630	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	16-7	0635	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	21-7	0630	17535	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	21-7	0635	17535	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	23-7	0630	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	23-7	0635	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	28-7	0630	17535	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	28-7	0635	17535	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	30-7	0630	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	30-7	0635	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03k	1-7	1230	22998	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-7	1235	22998	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-7	1730	9431	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-7	1735	9431	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-7	0630	8196	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-7	0635	8196	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6-7	0630	8196	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6-7	0635	8196	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-7	1730	9431	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-7	1735	9431	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)

P03k	12-7	0630	8196	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-7	0635	8196	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-7	1730	9431	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-7	1735	9431	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-7	0630	8196	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-7	0635	8196	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-7	1730	9431	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-7	1735	9431	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-7	0630	8196	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-7	0635	8196	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-7	1230	22998	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-7	1235	22998	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-7	1730	9431	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-7	1735	9431	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-7	0630	8196	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-7	0635	8196	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-7	1230	22998	Tue	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	22-7	1235	22998	Tue	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	23-7	1730	9431	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-7	1735	9431	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-7	0630	8196	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-7	0635	8196	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-7	1730	9431	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-7	1735	9431	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-7	0630	8196	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-7	0635	8196	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-7	1730	9431	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-7	1735	9431	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03l	2-7	1315	16335	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	2-7	1320	16335	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	2-7	1345	13424	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	2-7	1350	13424	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	3-7	1200	9968	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	3-7	1205	9968	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	4-7	1315	16335	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	4-7	1320	16335	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	4-7	1345	13424	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	4-7	1350	13424	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	7-7	1200	9968	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	7-7	1205	9968	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	9-7	1345	13424	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	9-7	1350	13424	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)

P03I	10-7	1200	9967	Thu	Polish intel. off freq	QPSK 100Bd/464bp	(AB)
P03I	10-7	1205	9967	Thu	Polish intel. off freq	QPSK 100Bd/464bp	(AB)
P03I	11-7	1315	16335	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	11-7	1320	16335	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	11-7	1345	13424	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	11-7	1350	13424	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	14-7	1200	9968	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	14-7	1205	9968	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	16-7	1315	16335	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	16-7	1320	16335	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	16-7	1345	13424	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	16-7	1350	13424	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	17-7	1200	9968	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	17-7	1205	9968	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	18-7	1315	16335	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	18-7	1320	16335	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	18-7	1345	13424	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	18-7	1350	13424	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	21-7	1200	9968	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	21-7	1205	9968	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	23-7	1315	16335	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	23-7	1320	16335	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	23-7	1345	13424	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	23-7	1350	13424	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	24-7	1200	9968	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	24-7	1205	9968	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-7	1315	16335	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-7	1320	16335	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-7	1345	13424	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-7	1350	13424	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	28-7	1200	9968	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	28-7	1205	9968	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	30-7	1315	16335	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	30-7	1320	16335	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	30-7	1345	13424	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	30-7	1350	13424	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	31-7	1200	9968	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	31-7	1205	9968	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P07	2-7	1400	9368	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	2-7	1410	8185	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	2-7	1420	7704	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	2-7	1430	6872	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)

P07	27-7	1440	5861	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	27-7	1450	5386	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	30-7	1400	9368	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	30-7	1410	8185	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	30-7	1420	7704	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	30-7	1430	6872	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	30-7	1440	5861	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	30-7	1450	5386	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
Q26	18-7	1139	4542	Fri	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	19-7	1131	4542	Sat	Message	4+4 QPSK 75/1000 LSB	(JPL)
S06	1-7	0400	11616	Tue	480 671 51 22723 15403 55473 ... 84726 42382 74852 671 52 00000 (wrong group count)	USB	(Subilo)
S06	1-7	0420	9322	Tue	480 671 52 22723 15403 55473 ... 84726 42382 74852 671 52 00000	USB	(Subilo)
S06	2-7	0400	11616	Wed	480 932 40 31473 66755 14039 ... 33428 15981 37019 932 40 480 716 20 85217 21388 03176 ... 90659 06466 71420 716 20 00000	USB	(Subilo)
S06	2-7	0420	9322	Wed	480 932 40 31473 66755 14039 ... 33428 15981 37019 932 40 480 716 20 85217 21388 03176 ... 90659 06466 71420 716 20 00000	USB	(Subilo)
S06	3-7	0400	11616	Thu	480 932 40 31473 66755 14039 ... 33428 15981 37019 932 40 480 716 20 85217 21388 03176 ... 90659 06466 71420 716 20 00000	USB	(Subilo)
S06	3-7	0420	9322	Thu	480 932 40 31473 66755 14039 ... 33428 15981 37019 932 40 480 716 20 85217 21388 03176 ... 90659 06466 71420 716 20 00000	USB	(Subilo)
S06	4-7	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	4-7	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	4-7	2000	11149	Fri	842 842 842 00000	USB	(Lac/HFD)
S06	4-7	2100	9205	Fri	842 842 842 00000	USB	(AB/HFD/Lac)
S06	7-7	0400	11616	Mon	480 952 60 95192 34094 85293 ... 15108 66524 17207 952 60 00000	USB	(Subilo/Lac)
S06	7-7	0420	9322	Mon	480 952 60 95192 34094 85293 ... 15108 66524 17207 952 60 00000	USB	(Subilo/Lac)
S06	8-7	0400	11616	Tue	480 952 60 95192 34094 85293 ... 15108 66524 17207 952 60 00000	USB	(Subilo)
S06	8-7	0420	9322	Tue	480 952 60 95192 34094 85293 ... 15108 66524 17207 952 60 00000	USB	(Subilo)
S06	9-7	0400	11616	Wed	480 376 24 31568 11295 06786 ... 35742 75892 26952 376 24 480 512 33 93649 94726 53363 ... 34330 83116 65517 512 33 00000	USB	(Subilo)
S06	9-7	0420	9322	Wed	480 376 24 31568 11295 06786 ... 35742 75892 26952 376 24 480 512 33 93649 94726 53363 ... 34330 83116 65517 512 33 00000	USB	(Subilo)
S06	10-7	0400	11616	Thu	480 376 24 31568 11295 06786 ... 35742 75892 26952 376 24 480 512 33 93649 94726 53363 ... 34330 83116 65517 512 33 00000	USB	(Subilo)
S06	10-7	0420	9322	Thu	480 376 24 31568 11295 06786 ... 35742 75892 26952 376 24 480 512 33 93649 94726 53363 ... 34330 83116 65517 512 33 00000	USB	(Subilo)
S06	11-7	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	11-7	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	14-7	0400	11616	Mon	480 937 51 79761 66275 88448 ... 78853 38077 65496 937 51 00000	USB	(Subilo)
S06	14-7	0420	9322	Mon	480 937 51 79761 66275 88448 ... 78853 38077 65496 937 51 00000	USB	(Subilo)
S06	15-7	0400	11616	Tue	480 937 51 79761 66275 88448 ... 78853 38077 65496 937 51 00000	USB	(Subilo)

S06	15-7	0420	9322	Tue	480 937 51 79761 66275 88448 ... 78853 38077 65496 937 51 00000	USB	(Subilo)
S06	16-7	0400	11616	Wed	480 125 34 18215 03625 04260 ... 78234 79842 20509 125 34 480 693 25 88180 05206 80703 ... 93961 97555 30498 00080 693 25 00000	USB	(Subilo)
S06	16-7	0420	9322	Wed	480 125 34 18215 03625 04260 ... 78234 79842 20509 125 34 480 693 25 88180 05206 80703 ... 93961 97555 30498 00080 693 25 00000	USB	(Subilo)
S06	17-7	0400	11616	Thu	480 125 34 18215 03625 04260 ... 78234 79842 20509 125 34 480 693 25 88180 05206 80703 ... 93961 97555 30498 00080 693 25 00000	USB	(Subilo)
S06	17-7	0420	9322	Thu	480 125 34 18215 03625 04260 ... 78234 79842 20509 125 34 480 693 25 88180 05206 80703 ... 93961 97555 30498 00080 693 25 00000	USB	(Subilo)
S06	18-7	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	18-7	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	18-7	2000	11149	Fri	842 842 842 00000	USB	(AB)
S06	18-7	2100	9205	Fri	842 842 842 00000	USB	(AB)
S06	21-7	0400	11616	Mon	480 751 60 43412 83475 97095 ... 18541 18541 54004 751 60 00000	USB	(Subilo)
S06	21-7	0420	9322	Mon	480 751 60 43412 83475 97095 ... 18541 18541 54004 751 60 00000	USB	(Subilo)
S06	22-7	0400	11616	Tue	480 751 60 43412 83475 97095 ... 18541 18541 54004 751 60 00000	USB	(Subilo/Lac)
S06	22-7	0420	9322	Tue	480 751 60 43412 83475 97095 ... 18541 18541 54004 751 60 00000	USB	(Subilo/Lac)
S06	23-7	0400	11616	Wed	480 179 20 26218 59959 85652 ... 79121 74756 82925 179 20 480 236 40 06856 34405 53999 ... 32684 43423 26523 236 40 00000	USB	(Subilo/Lac)
S06	23-7	0420	9322	Wed	480 179 20 26218 59959 85652 ... 79121 74756 82925 179 20 480 236 40 06856 34405 53999 ... 32684 43423 26523 236 40 00000	USB	(Subilo/Lac)
S06	24-7	0400	11616	Thu	480 179 20 26218 59959 85652 ... 79121 74756 82925 179 20 480 236 40 06856 34405 53999 ... 32684 43423 26523 236 40 00000	USB	(Subilo)
S06	24-7	0420	9322	Thu	480 179 20 26218 59959 85652 ... 79121 74756 82925 179 20 480 236 40 06856 34405 53999 ... 32684 43423 26523 236 40 00000	USB	(Subilo)
S06	25-7	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	25-7	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	28-7	0400	11616	Mon	480 263 57 44300 87924 84463 ... 55795 99280 76892 263 57 00000	USB	(Subilo)
S06	28-7	0420	9322	Mon	480 263 57 44300 87924 84463 ... 55795 99280 76892 263 57 00000	USB	(Subilo)
S06	29-7	0400	11616	Tue	480 263 57 44300 87924 84463 ... 55795 99280 76892 263 57 00000	USB	(Subilo/Lac)
S06	29-7	0420	9322	Tue	480 263 57 44300 87924 84463 ... 55795 99280 76892 263 57 00000	USB	(Subilo/Lac)
S06	30-7	0400	11616	Wed	623 19 00000 Nothing else	USB	(Subilo)
S06	31-7	0400	11616	Thu	480 197 36 71551 65328 29280 ... 39319 40533 78262 197 36 480 623 19 08067 88297 60736 ... 09515 19929 06093 623 19 00000	USB	(Subilo)
S06	31-7	0420	9322	Thu	480 197 36 71551 65328 29280 ... 39319 40533 78262 197 36 480 623 19 08067 88297 60736 ... 09515 19929 06093 623 19 00000	USB	(Subilo)
S11a	1-7	0445	9968	Tue	798/40 Vnimanaye 72215 24884 46195 ... 80915 56732 02752 Vnimanaye (msg rptd) Konets	USB	(AB-POL/Su-bilo)
S11a	1-7	1400	9448	Tue	422/00 Konets	USB	(AB/Lac)
S11a	2-7	0510	16357	Wed	659/00 Konets	USB	(AB/Lac)
S11a	2-7	0725	18773	Wed	383/33 Vnimanaye 84524 19474 22109 ... 87332 67244 50761 Vnimanaye (msg rptd) Konets	USB	(AB/Subilo)
S11a	2-7	1850	12457	Wed	284/40 Vnimanaye 94298 30277 92596 ... 19237 67888 29236 Vnimanaye (msg rptd) Konets	USB	(AB/Subilo/Lac)

S11a	3-7	0445	9968	Thu	798/40 Vnimanaye 72215 24884 46195 ... 80915 56732 02752 Vnimanaye (msg rptd) Konets	USB	(AB/Subilo/Lac)
S11a	3-7	0700	9339	Thu	477/00 Konets	USB	(AB)
S11a	4-7	0725	18773	Fri	383/33 Vnimanaye 84524 19474 22109 ... 87332 67244 50761 Vnimanaye (msg rptd) Konets	USB	(AB/Subilo/Lac)
S11a	4-7	0915	6814	Fri	487/00 Konets	USB	(AB/Lac)
S11a	4-7	1400	9448	Fri	420/00 Konets	USB	(AB/Lac)
S11a	5-7	0830	5149	Sat	372/00 Konets	USB	(AB/Lac)
S11a	5-7	1430	12984	Sat	284/40 Vnimanaye 94298 30277 92596 ... 19237 67888 29236 Vnimanaye (msg rptd) Konets	USB	(AB/Subilo)
S11a	5-7	1850	12457	Sat	284/40 Vnimanaye 94298 30277 92596 ... 19237 67888 29236 Vnimanaye (msg rptd) Konets	USB	(AB/Subilo/Lac)
S11a	6-7	0830	5149	Sun	370/00 Konets	USB	(AB/Lac)
S11a	7-7	0510	16357	Mon	657/38 Vnimanaye 53453 83200 00184 ... 50845 84174 38544 Vnimanaye (msg rptd) Konets	USB	(AB/Subilo/Lac)
S11a	7-7	0700	9339	Mon	475/00 Konets	USB	(AB/Lac)
S11a	7-7	0915	6814	Mon	486/34 Vnimanaye 42493 45795 37533 ... 93116 74619 81428 Vnimanaye (msg rptd) Konets	USB	(AB/Subilo/Lac)
S11a	8-7	0445	9968	Tue	797/00 Konets	USB	(AB)
S11a	8-7	1400	9448	Tue	429/00 Konets	USB	(AB/Lac)
S11a	9-7	0510	16357	Wed	657/38 Vnimanaye 53453 83200 00184 ... 50845 84174 38544 Vnimanaye (msg rptd) Konets	USB	(AB/Subilo)
S11a	9-7	0725	18773	Wed	380/00 Konets	USB	(AB)
S11a	9-7	1850	12457	Wed	281/00 Konets	USB	(AB)
S11a	10-7	0445	9968	Thu	796/00 Konets	USB	(AB)
S11a	10-7	0700	9339	Thu	477/00 Konets	USB	(AB/Lac)
S11a	11-7	0725	18773	Fri	385/00 Konets	USB	(AB/Lac)
S11a	11-7	0915	6814	Fri	486/34 Vnimanaye 42493 45795 37533 ... 93116 74619 81428 Vnimanaye (msg rptd) Konets	USB	(AB/Subilo/Lac)
S11a	11-7	1400	9448	Fri	424/00 Konets	USB	(AB/Lac)
S11a	12-7	0830	5149	Sat	373/00 Konets	USB	(AB/Lac)
S11a	12-7	1850	12457	Sat	280/00 Konets	USB	(AB/Lac)
S11a	13-7	0830	5149	Sun	371/00 Konets	USB	(AB)
S11a	14-7	0510	16357	Mon	655/00 Konets	USB	(AB)
S11a	14-7	0700	9339	Mon	472/00 Konets	USB	(AB/Lac)
S11a	14-7	0915	6814	Mon	483/00 Konets	USB	(AB-POL/Lac)
S11a	15-7	0445	9968	Tue	794/00 Konets	USB	(AB)
S11a	15-7	1400	9448	Tue	424/00 Konets	USB	(AB/Lac)
S11a	16-7	0510	16357	Wed	651/00 Konets	USB	(AB/Lac)
S11a	16-7	0725	18773	Wed	384/00 Konets	USB	(AB)
S11a	16-7	1850	12457	Wed	281/00 Konets	USB	(AB/Lac)
S11a	17-7	0445	9968	Thu	799/00 Konets	USB	(AB)
S11a	17-7	0700	9339	Thu	472/00 Konets	USB	(AB)
S11a	18-7	0725	18773	Fri	382/00 Konets	USB	(AB-POL)
S11a	18-7	0915	6814	Fri	481/00 Konets	USB	(AB-POL)
S11a	18-7	1400	9448	Fri	422/00 Konets	USB	(AB)
S11a	19-7	0830	5149	Sat	378/36 Vnimanaye 64802 02645 08297 ... 77752 50640 74794 Vnimanaye (msg rptd) Konets	USB	(AB/Subilo)
S11a	19-7	1850	12457	Sat	280/00 Konets	USB	(AB)
S11a	20-7	0830	5149	Sun	378/36 Vnimanaye 64802 02645 08297 ... 77752 50640 74794 Vnimanaye (msg rptd) Konets	USB	(AB/Subilo/Lac)
S11a	21-7	0700	9339	Mon	471/00 Konets	USB	(AB/Lac)

S11a	21-7	0915	6814	Mon	487/00 Konets	USB	(AB)
S11a	22-7	0445	9968	Tue	798/00 Konets	USB	(AB/Lac)
S11a	22-7	1400	9448	Tue	420/37 Vnimanije 76713 37126 97107 ... 10068 55927 59646 Vnimanije (msg rptd) Konets	USB	(AB/Subilo/Lac)
S11a	23-7	0725	18773	Wed	385/00 Konets	USB	(AB)
S11a	23-7	1850	12457	Wed	286/00 Konets	USB	(AB)
S11a	24-7	0445	9968	Thu	796/00 Konets	USB	(AB)
S11a	24-7	0700	9339	Thu	477/00 Konets	USB	(AB)
S11a	25-7	0725	18773	Fri	387/00 Konets	USB	(AB)
S11a	25-7	0915	6814	Fri	484/00 Konets	USB	(AB)
S11a	25-7	1400	9448	Fri	420/37 Vnimanije 76713 37126 97107 ... 10068 55927 59646 Vnimanije (msg rptd) Konets	USB	(AB/Subilo)
S11a	26-7	0830	5149	Sat	370/00 Konets	USB	(AB)
S11a	26-7	1850	12457	Sat	282/00 Konets	USB	(AB)
S11a	27-7	0830	5149	Sun	379/00 Konets	USB	(AB)
S11a	28-7	0510	16357	Mon	655/00 Konets	USB	(AB)
S11a	28-7	0700	9339	Mon	479/36 Vnimanije 10284 79466 80994 ... 19148 74756 96634 Vnimanije (msg rptd) Konets	USB	(AB/Subilo/Lac)
S11a	28-7	0915	6814	Mon	482/00 Konets	USB	(AB)
S11a	29-7	0445	9968	Tue	798/00 Konets	USB	(AB)
S11a	29-7	1400	9448	Tue	426/00 Konets	USB	(AB)
S11a	30-7	0510	16357	Wed	659/00 Konets	USB	(AB)
S11a	30-7	0725	18773	Wed	384/00 Konets	USB	(AB)
S11a	30-7	1850	12457	Wed	286/00 Konets	USB	(AB)
S11a	31-7	0445	9968	Thu	794/00 Konets	USB	(AB)
S11a	31-7	0700	9339	Thu	479/36 Vnimanije 10284 79466 80994 ... 19148 74756 96634 Vnimanije (msg rptd) Konets	USB	(AB/Subilo)
UM04	1-7	0700	4735	Tue	VVV VVV PROMRCh = 01 07 = 1000 0710 0740 0850 1390 ... 0800 0660 0690 0800 1230 = AR	CW	(Subilo)
UM04	2-7	0700	4735	Wed	VVV VVV PROMRCh = 02 07 = 1000 0700 0730 0840 1390 ... 0800 0660 0690 0800 1230 = AR	CW	(Subilo)
UM04	3-7	0700	4735	Thu	VVV VVV PROMRCh = 03 07 = 1000 0700 0730 0850 1390 ... 0800 0660 0690 0800 1230 = AR	CW	(Subilo)
UM04	4-7	0659	4735	Fri	VVV VVV PROMRCh = 04 07 = 1000 0710 0740 0850 1390 ... 0800 0670 0700 0810 1230 = AR	CW	(AB-GRC)
UM04	5-7	0700	4735	Sat	VVV VVV PROMRCh = 05 07 = 1000 0720 0750 0860 1390 ... 0800 0680 0710 0820 1230 = AR	CW	(AB-GRC)
UM04	6-7	0700	4735	Sun	VVV VVV PROMRCh = 06 07 = 1000 0720 0750 0860 1390 ... 0800 0680 0710 0820 1220 = AR	CW	(AB-HNG)
UM04	7-7	0700	4735	Mon	VVV VVV PROMRCh = 07 07 = 1000 0710 0740 0860 1390 ... 0800 0670 0700 0810 1220 = AR	CW	(Subilo)
UM04	8-7	0700	4735	Tue	VVV VVV PROMRCh = 08 07 = 1000 0700 0730 0840 1380 ... 0800 0660 0690 0800 1220 = AR	CW	(AB-HNG)
UM04	9-7	0700	4735	Wed	VVV VVV PROMRCh = 09 07 = 1000 0700 0730 0840 1380 ... 0800 0660 0690 0800 1220 = AR	CW	(Subilo)
UM04	10-7	0700	4735	Thu	VVV VVV PROMRCh = 10 07 = 1000 0700 0740 0840 1380 ... 0800 0760 0690 0800 1220 = AR	CW	(AB-HNG)
UM04	11-7	0703	4735	Fri	VVV VVV PROMRCh = 11 07 = 1000 0680 0720 0830 1370 ... 0800 0650 0680 0790 1220 = AR	CW	(AB-GRC)
UM04	12-7	0700	4735	Sat	VVV VVV PROMRCh = 12 07 = 1000 0680 0710 0830 1380 ... 0800 0650 0680 0790 1220 = AR	CW	(Subilo)
UM04	13-7	0700	4735	Sun	VVV VVV PROMRCh = 13 07 = 1000 0690 0720 0830 1380 ... 0800 0650 0680 0790 1220 = AR	CW	(AB-HNG)
UM04	14-7	0701	4735	Mon	VVV VVV PROMRCh = 14 07 = 1000 0690 0720 0840 1380 ... 0800 0650 0680 0790 1220 = AR	CW	(AB-GRC)
UM04	15-7	0700	4735	Tue	VVV VVV PROMRCh = 15 07 = 1000 0690 0720 0830 1380 ... 0800 0650 0680 0790 1210 = AR	CW	(AB-HNG)
UM04	16-7	0700	4735	Wed	VVV VVV PROMRCh = 16 07 = 1000 0690 0720 0830 1380 ... 0800 0660 0690 0800 1210 = AR	CW	(Subilo)
UM04	17-7	0659	4735	Thu	VVV VVV PROMRCh = 17 07 = 1000 0690 0720 0830 1370 ... 0800 0650 0680 0790 1210 = AR	CW	(AB-GRC)
UM04	18-7	0700	4735	Fri	VVV VVV PROMRCh = 18 07 = 1000 0690 0720 0840 1380 ... 0800 0660 0690 0800 1210 = AR	CW	(Subilo)
UM04	19-7	0700	4735	Sat	VVV VVV PROMRCh = 19 07 = 1000 0700 0730 0840 1370 ... 0800 0660 0690 0800 1210 = AR	CW	(AB-GRC)

UM04	20-7	0700	4735	Sun	VVV VVV PROMRCh = 20 07 = 1000 0700 0730 0840 1370 ... 0800 0670 0690 0810 1210 = AR	CW	(AB-HNG)
UM04	21-7	0701	4735	Mon	VVV VVV PROMRCh = 21 07 = 1000 0700 0730 0840 1380 ... 0800 0670 0700 0810 1210 = AR	CW	(AB-GRC)
UM04	22-7	0700	4735	Tue	VVV VVV PROMRCh = 22 07 = 1000 0700 0740 0850 1370 ... 0800 0670 0700 0810 1210 = AR	CW	(Subilo)
UM04	23-7	0700	4735	Wed	VVV VVV PROMRCh = 23 07 = 1000 0700 0730 0840 1370 ... 0800 0670 0700 0810 1210 = AR	CW	(AB-HNG)
UM04	24-7	0700	4735	Thu	VVV VVV PROMRCh = 24 07 = 1000 0700 0740 0840 1370 ... 0800 0670 0700 0810 1210 = AR	CW	(Subilo)
UM04	25-7	0700	4735	Fri	VVV VVV PROMRCh = 25 07 = 1000 0710 0730 0860 1380 ... 0800 0680 0710 0820 1210 = AR	CW	(AB-GRC)
UM04	26-7	0700	4735	Sat	VVV VVV PROMRCh = 26 07 = 1000 0710 0740 0850 1370 ... 0800 0680 0700 0810 1200 = AR	CW	(AB-GRC)
UM04	27-7	0701	4735	Sun	VVV VVV PROMRCh = 27 07 = 1000 0710 0740 0850 1370 ... 0800 0680 0710 0820 1200 = AR	CW	(AB-HNG)
UM04	28-7	0659	4735	Mon	VVV VVV PROMRCh = 28 07 = 1000 0720 0750 0860 1370 ... 0800 0680 0710 0820 1200 = AR	CW	(AB-GRC)
UM04	29-7	0700	4735	Tue	VVV VVV PROMRCh = 29 07 = 1000 0720 0750 0860 1370 ... 0800 0690 0720 0830 1200 = AR	CW	(AB)
UM04	30-7	0700	4735	Wed	VVV VVV PROMRCh = 30 07 = 1000 0730 0760 0870 1370 ... 0800 0690 0700 0830 1200 = AR	CW	(AB-HNG)
UM04	31-7	0659	4735	Thu	VVV VVV PROMRCh = 31 07 = 1000 0730 0760 0870 1370 ... 0800 0690 0720 0830 1200 = AR	CW	(AB-GRC)
V07	6-7	0700	13978	Sun	931 1 4310 103 16103 61050 36949 ... 68663 14250 89009 000 000 cut out middle of group 10	USB	(Lac)
V07	6-7	0720	13378	Sun	931 1 4310 103 16103 61050 36949 ... 68663 14250 89009 000 000 last zero cut out	USB	(Lac)
V07	6-7	0740	12178	Sun	931 1 4310 103 16103 61050 36949 ... 68663 14250 89009 000 000	USB	(Lac)
V07	13-7	0700	13978	Sun	931 931 931 1 8777 110 8777 110 98351 29198 01434 ... 77867 70200 25294 000 000	USB	(AB-KOR/Dan/Lac)
V07	13-7	0720	13378	Sun	931 931 931 1 8777 110 8777 110 98351 29198 01434 ... 77867 70200 25294 000 000	USB	(AB-KOR/Lac)
V07	13-7	0740	12178	Sun	931 931 931 1 8777 110 8777 110 98351 29198 01434 ... 77867 70200 25294 000 000	USB	(AB-KOR/lac)
V07	20-7	0700	13978	Sun	931 931 931 1 3589 125 3589 125 69856 62589 64993 ... 14942 65583 06264 000 000	USB	(AB/Dan/Lac)
V07	20-7	0720	13378	Sun	931 931 931 1 3589 125 3589 125 69856 62589 64993 ... 14942 65583 06264 000 000	USB	(AB-KOR/lac)
V07	20-7	0740	12178	Sun	931 931 931 1 3589 125 3589 125 69856 62589 64993 ... 14942 65583 06264 000 000	USB	(AB-KOR/lac)
V07	27-7	0700	13978	Sun	931 931 931 1 3242 104 3242 104 79392 63873 10119 ... 73468 47389 38971 000 000 (restart after the callup)	USB	(AB/Dan/Lac)
V07	27-7	0700	13978	Sun	931 1 3242 104 went off air after preamble, restarted with call ID	USB	(Lac)
V07	27-7	0720	13378	Sun	931 931 931 1 3242 104 3242 104 79392 63873 10119 ... 73468 47389 38971 000 000	USB	(AB-KOR/lac)
V07	27-7	0740	12178	Sun	931 931 931 1 3242 104 3242 104 79392 63873 10119 ... 73468 47389 38971 000 000	USB	(AB-KOR/lac)
V13	2-7	0200	8169	Wed	New Star Broadcasting. Station 1b. Messages to units 2073, 5127, 6220	USB	(AVX/FSpy)
V13	3-7	0000	19052	Thu	New Star Broadcasting. Station 1c. Messages to units 6139, 7800, 9454	USB	(AVX/FSpy)
V13	6-7	0000	18040	Sun	New Star Broadcasting. Station 4. Messages to units 0304, 4192, 6492	USB	(FSpy)
V13	6-7	0100	21000	Sun	New Star Broadcasting. Station 1c. Messages to units 0448, 5230, 6533	USB	(FSpy)
V13	6-7	0130	18040	Sun	New Star Broadcasting. Station 3. Messages to units 2319, 5666, 5807	USB	(FSpy)
V13	6-7	0300	9276	Sun	New Star Broadcasting. Station 2. Messages to units 3863, 8435, 9762	USB	(FSpy)
V13	18-7	0000	18040	Fri	New Star Broadcasting. Station 4. Messages to units 0081, 2308, 9031	USB	(FSpy)
V13	22-7	0030	15890	Tue	New Star Broadcasting. Station 3. Messages to units 0623, 3060, 8731	USB	(FSpy)
V13	22-7	0100	20025	Tue	New Star Broadcasting. Station 4. Messages to units 2672, 6163, 9739	USB	(FSpy)
V13	22-7	0200	21000	Tue	New Star Broadcasting. Station 1. Messages to units 3387, 4451, 6448. Changed to 8169 kHz during the intro music	USB	(FSpy)
V13	22-7	0300	9276	Tue	New Star Broadcasting. Station 2. Messages to units 2407, 3761, 8329	USB	(FSpy/AVX)
V13	27-7	0000	15890	Sun	New Star Broadcasting. Station 3. Messages to units 0360, 5074, 8455	USB	(FSpy)
V13	27-7	0030	18040	Sun	New Star Broadcasting. Station 4. Messages to units 0482, 1987, 8252	USB	(FSpy)

V13	29-7	0130	21000	Tue	New Star Broadcasting. Station 1. Messages to units 2291, 6582, 7111	USB	(FSpy)
V26	12-7	1141	4156	Sat	Message //9042 kHz	USB	(JPL)
V26	12-7	1141	9042	Sat	Message //4156 kHz	USB	(JPL)
V26	13-7	1144	4156	Sun	Message //9042 kHz	USB	(JPL)
V26	13-7	1144	9052	Sun	Message //4156 kHz	USB	(JPL)
V26	31-7	1144	4156	Thu	Message //9042 kHz	USB	(JPL)
V26	31-7	1144	9042	Thu	Message //4156 kHz	USB	(JPL)
X--	22-7	0535	14375	Tue	Russian intel.	MFSK-13/MFSK-21	(AB)
X06	3-7	0730	19511	Thu	MFA Moscow clg 314265: Russian embassy Antananarivo	MFSK-6	(Moon)
X06	4-7	1018	14824	Fri	MFA Moscow clg 625413: Russian embassy Tel Aviv	MFSK-6	(Moon)
X06	11-7	0650	11555	Fri	MFA Moscow clg 341265: unid Russian embassy	MFSK-6	(AB/Moon)
X06	11-7	0824	11556	Fri	MFA Moscow clg 615243: Russian Permanent Mission to the UN, Geneva	MFSK-6	(AB)
X06	11-7	0829	12177	Fri	MFA Moscow clg 356412: Russian embassy Berlin	MFSK-6	(AB)
X06	14-7	0939	19235	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(Moon)
X06	16-7	0647	15819	Wed	MFA Moscow clg 256341: Russian embassy Beirut	MFSK-6	(AB/Moon)
X06	16-7	0652	14405	Wed	MFA Moscow clg 256341: Russian embassy Beirut	MFSK-6/AM	(AB/Moon)
X06	16-7	0701	12150	Wed	MFA Moscow clg 256341: Russian embassy Beirut	MFSK-6	(AB/T101)
X06	16-7	1111	16115	Wed	MFA Moscow clg 215346: Russian embassy Mumbai	MFSK-6	(Moon)
X06	17-7	0914	18197	Thu	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City	MFSK-6	(Moon)
X06	21-7	0723	10453	Mon	MFA Moscow clg 432516: Russian embassy Bern	MFSK-6	(RO)
X06	21-7	0809	13395	Mon	MFA Moscow clg 532614: Russian embassy Paris	MFSK-6	(RO)
X06	22-7	0806	13420	Tue	MFA Moscow clg 534216: Russian embassy Baghdad	MFSK-6	(AB/Moon)
X06	22-7	0810	17523	Tue	MFA Moscow clg 542136: Russian embassy Beijing	MFSK-6	(AB/RO)
X06	22-7	1029	17470	Tue	MFA Moscow clg 216354: Russian Consulate General Chennai	MFSK-6	(AB/RO)
X06	22-7	1029	17470	Tue	MFA Moscow clg 216354: Russian Consulate General Chennai	MFSK-6	(RO)
X06	23-7	0732	10814	Wed	MFA Moscow clg 412356: Russian embassy Budapest	MFSK-6	(RO)
X06	23-7	0810	13419	Wed	MFA Moscow clg 465132: Russian embassy Sofia	MFSK-6	(AB/RO)
X06	23-7	0811	13419	Wed	MFA Moscow clg 465132: Russian embassy Sofia	MFSK-6	(RO)
X06	23-7	0827	20334	Wed	MFA Moscow clg 164253: Russian embassy Addis Ababa	MFSK-6	(AB/RO)
X06	23-7	0827	20334	Wed	MFA Moscow clg 164253: Russian embassy Addis Ababa	MFSK-6	(RO)
X06	23-7	0829	18177	Wed	MFA Moscow clg 164253: Russian embassy Addis Ababa	MFSK-6	(RO)
X06	25-7	0511	19610	Fri	MFA Moscow clg 216435: Russian embassy Dhaka	MFSK-6	(RO)
X06	25-7	0512	15920	Fri	MFA Moscow clg 216435: Russian embassy Dhaka	MFSK-6	(RO)
X06	25-7	0644	13427	Fri	MFA Moscow clg 341265: unid Russian embassy	MFSK-6	(RO)
X06	25-7	0821	10653	Fri	MFA Moscow clg 356412: Russian embassy Berlin	MFSK-6	(AB/RO)
X06	25-7	0821	10653	Fri	MFA Moscow clg 356412: Russian embassy Berlin	MFSK-6	(RO)
X06	27-7	0910	16060	Sun	MFA Moscow clg 261453: Russian embassy Cairo	MFSK-6	(Moon)
X06	27-7	1034	15810	Sun	MFA Moscow clg 145632: Russian embassy Algiers	MFSK-6	(Moon)
X06	28-7	1007	19235	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(Anon)
XPA1	2-7	1210	13368	Wed	311 311 311 1 00367 00325 92547 ... 13840 20996 53430	MFSK-20/10Bd	(AB)
XPA1	2-7	1230	12168	Wed	311 311 311 1 00367 00325 92547 ... 13840 20996 53430	MFSK-20/10Bd	(AB/HFD)
XPA1	2-7	1250	11168	Wed	311 311 311 1 00367 00325 92547 ... 13840 20996 53430	MFSK-20/10Bd	(AB/HFD)

XPA1	4-7	1210	13368	Fri	311 311 311 1 00367 00325 92547 ... 13840 20996 53430	MFSK-20/10Bd	(AB)
XPA1	4-7	1230	12168	Fri	311 311 311 1 00367 00325 92547 ... 13840 20996 53430	MFSK-20/10Bd	(AB)
XPA1	4-7	1250	11168	Fri	311 311 311 1 00367 00325 92547 ... 13840 20996 53430	MFSK-20/10Bd	(AB)
XPA1	9-7	1210	13368	Wed	311 311 311 1 00367 00325 92547 ... 13840 20996 53430	MFSK-20/10Bd	(AB)
XPA1	9-7	1230	12168	Wed	311 311 311 1 00367 00325 92547 ... 13840 20996 53430	MFSK-20/10Bd	(AB)
XPA1	9-7	1250	11168	Wed	311 311 311 1 00367 00325 92547 ... 13840 20996 53430	MFSK-20/10Bd	(AB)
XPA1	11-7	1210	13368	Fri	311 311 311 1 00367 00325 92547 ... 13840 20996 53430	MFSK-20/10Bd	(AB)
XPA1	11-7	1230	12168	Fri	311 311 311 1 00367 00325 92547 ... 13840 20996 53430	MFSK-20/10Bd	(AB)
XPA1	11-7	1250	11168	Fri	311 311 311 1 00367 00325 92547 ... 13840 20996 53430	MFSK-20/10Bd	(AB)
XPA1	16-7	1210	13368	Wed	311 311 311 1 09293 00228 52538 ... 07912 63218 46064	MFSK-20/10Bd	(AB)
XPA1	16-7	1230	12168	Wed	311 311 311 1 09293 00228 52538 ... 07912 63218 46064	MFSK-20/10Bd	(AB)
XPA1	16-7	1250	11168	Wed	311 311 311 1 09293 00228 52538 ... 07912 63218 46064	MFSK-20/10Bd	(AB)
XPA1	18-7	1210	13368	Fri	311 311 311 1 09293 00228 52538 ... 07912 63218 46064	MFSK-20/10Bd	(AB)
XPA1	18-7	1230	12168	Fri	311 311 311 1 09293 00228 52538 ... 07912 63218 46064	MFSK-20/10Bd	(AB)
XPA1	18-7	1250	11168	Fri	311 311 311 1 09293 00228 52538 ... 07912 63218 46064	MFSK-20/10Bd	(AB)
XPA1	23-7	1210	13368	Wed	311 311 311 1 09293 00228 52538 ... 07912 63218 46064	MFSK-20/10Bd	(AB)
XPA1	23-7	1230	12168	Wed	311 311 311 1 09293 00228 52538 ... 07912 63218 46064	MFSK-20/10Bd	(AB)
XPA1	23-7	1250	11168	Wed	311 311 311 1 09293 00228 52538 ... 07912 63218 46064	MFSK-20/10Bd	(AB)
XPA1	25-7	1210	13368	Fri	311 311 311 1 09293 00228 52538 ... 07912 63218 46064	MFSK-20/10Bd	(AB)
XPA1	25-7	1230	12168	Fri	311 311 311 1 09293 00228 52538 ... 07912 63218 46064	MFSK-20/10Bd	(AB)
XPA1	25-7	1250	11168	Fri	311 311 311 1 09293 00228 52538 ... 07912 63218 46064	MFSK-20/10Bd	(AB)
XPA1	30-7	1210	13368	Wed	311 311 311 1 03037 00416 90962 ... 45439 88342 70331 00715	MFSK-20/10Bd	(AB)
XPA1	30-7	1230	12168	Wed	311 311 311 1 03037 00416 90962 ... 45439 88342 70331 00715	MFSK-20/10Bd	(AB)
XPA1	30-7	1250	11168	Wed	311 311 311 1 03037 00416 90962 ... 45439 88342 70331 00715	MFSK-20/10Bd	(AB)
XPA2	9-6	1400	13418	Mon	00521 00112 98029 ... 00613 26538 17623	MFSK-16/20Bd	(PY)
XPA2	9-6	1410	12163	Mon	00521 00112 98029 ... 00613 26538 17623	MFSK-16/20Bd	(PY)
XPA2	9-6	1420	11477	Mon	00521 00112 98029 ... 00613 26538 17623	MFSK-16/20Bd	(PY)
XPA2	9-6	1430	12122	Mon	00521 00112 98029 ... 00613 26538 17623	MFSK-16/20Bd	(PY)
XPA2	9-6	1440	11504	Mon	00521 00112 98029 ... 00613 26538 17623	MFSK-16/20Bd	(PY)
XPA2	9-6	1450	10750	Mon	00521 00112 98029 ... 00613 26538 17623	MFSK-16/20Bd	(PY/HFD)
XPA2	1-7	1100	14958	Tue	06338 00400 97524 ... 89602 12805 04455	MFSK-16/20Bd	(PY/HFD)
XPA2	1-7	1120	13958	Tue	06338 00400 97524 ... 89602 12805 04455	MFSK-16/20Bd	(PY/HFD)
XPA2	1-7	1140	12158	Tue	06338 00400 97524 ... 89602 12805 04455	MFSK-16/20Bd	(AB)
XPA2	1-7	1700	18235	Tue	09049 00190 39352 ... 83936 28144 53677	MFSK-16/20Bd	(AB)
XPA2	1-7	1720	17437	Tue	09049 00190 39352 ... 83936 28144 53677	MFSK-16/20Bd	(AB/PY)
XPA2	1-7	1740	16179	Tue	09049 00190 39352 ... 83936 28144 53677	MFSK-16/20Bd	(AB/PY)
XPA2	2-7	0700	12148	Wed	01512 00630 72188 ... 56746 16003 70111	MFSK-16/20Bd	(AB)
XPA2	2-7	0720	13448	Wed	01512 00630 72188 ... 56746 16003 70111	MFSK-16/20Bd	(AB)
XPA2	2-7	0740	13948	Wed	01512 00630 72188 ... 56746 16003 70111	MFSK-16/20Bd	(AB)
XPA2	2-7	0910	19345	Wed	Message	MFSK-16/20Bd	(HFD)
XPA2	2-7	0930	18495	Wed	msg x14981	MFSK-16/20Bd	(HFD)
XPA2	2-7	0950	16279	Wed	msg x13953	MFSK-16/20Bd	(HFD)

XPA2	2-7	1100	17435	Wed	08295 00001 00000 34671	MFSK-16/20Bd	(AB/HFD)
XPA2	2-7	1120	16235	Wed	08295 00001 00000 34671	MFSK-16/20Bd	(AB/HFD)
XPA2	2-7	1140	14935	Wed	08295 00001 00000 34671	MFSK-16/20Bd	(AB/HFD)
XPA2	2-7	1800	17474	Wed	04515 00145 63228 ... 02950 29498 27131	MFSK-16/20Bd	(AB/HFD)
XPA2	2-7	1820	16274	Wed	04515 00145 63228 ... 02950 29498 27131	MFSK-16/20Bd	(AB/HFD)
XPA2	2-7	1840	14574	Wed	04515 00145 63228 ... 02950 29498 27131	MFSK-16/20Bd	(AB/HFD)
XPA2	3-7	0900	18371	Thu	01323 00448 46382 ... 37292 51302 20457	MFSK-16/20Bd	(AB/HFD)
XPA2	3-7	0920	17457	Thu	01323 00448 46382 ... 37292 51302 20457	MFSK-16/20Bd	(AB/HFD)
XPA2	3-7	0940	16279	Thu	01323 00448 46382 ... 37292 51302 20457	MFSK-16/20Bd	(AB/HFD)
XPA2	3-7	1100	17435	Thu	08385 00000 00000 34260	MFSK-16/20Bd	(AB)
XPA2	3-7	1120	16235	Thu	08385 00000 00000 34260	MFSK-16/20Bd	(AB)
XPA2	3-7	1140	14935	Thu	08385 00000 00000 34260	MFSK-16/20Bd	(AB)
XPA2	3-7	1700	18235	Thu	09049 00190 39352 ... 83936 28144 53677	MFSK-16/20Bd	(AB/HFD)
XPA2	3-7	1720	17437	Thu	09049 00190 39352 ... 83936 28144 53677	MFSK-16/20Bd	(AB/HFD)
XPA2	3-7	1740	16179	Thu	09049 00190 39352 ... 83936 28144 53677	MFSK-16/20Bd	(AB/HFD)
XPA2	4-7	1100	14958	Fri	06338 00400 97524 ... 89602 12805 04455	MFSK-16/20Bd	(AB)
XPA2	4-7	1120	13958	Fri	06338 00400 97524 ... 89602 12805 04455	MFSK-16/20Bd	(AB)
XPA2	4-7	1140	12158	Fri	06338 00400 97524 ... 89602 12805 04455	MFSK-16/20Bd	(AB)
XPA2	4-7	1800	17474	Fri	04515 00145 63228 ... 02950 29498 27131	MFSK-16/20Bd	(AB)
XPA2	4-7	1820	16274	Fri	04515 00145 63228 ... 02950 29498 27131	MFSK-16/20Bd	(AB)
XPA2	4-7	1840	14574	Fri	04515 00145 63228 ... 02950 29498 27131	MFSK-16/20Bd	(AB)
XPA2	5-7	0900	18371	Sat	01323 00448 46382 ... 37292 51302 20457	MFSK-16/20Bd	(AB)
XPA2	5-7	0920	17457	Sat	01323 00448 46382 ... 37292 51302 20457	MFSK-16/20Bd	(AB)
XPA2	5-7	0940	16279	Sat	01323 00448 46382 ... 37292 51302 20457	MFSK-16/20Bd	(AB)
XPA2	5-7	1500	13954	Sat	09870 00164 56981 ... 94954 58032 54631	MFSK-16/20Bd	(AB/HFD)
XPA2	5-7	1520	12154	Sat	09870 00164 56981 ... 94954 58032 54631	MFSK-16/20Bd	(AB/HFD)
XPA2	5-7	1540	11454	Sat	09870 00164 56981 ... 94954 58032 54631	MFSK-16/20Bd	(AB/HFD)
XPA2	7-7	0700	12148	Mon	01512 00630 72188 ... 56746 16003 70111	MFSK-16/20Bd	(AB/HFD)
XPA2	7-7	0720	13448	Mon	01512 00630 72188 ... 56746 16003 70111	MFSK-16/20Bd	(AB/PY/HFD)
XPA2	7-7	0740	13948	Mon	01512 00630 72188 ... 56746 16003 70111	MFSK-16/20Bd	(AB/PY)
XPA2	7-7	0910	19345	Mon	00795 00310 30978 ... 62935 65571 73776	MFSK-16/20Bd	(AB)
XPA2	7-7	0930	18495	Mon	00795 00310 30978 ... 62935 65571 73776	MFSK-16/20Bd	(AB)
XPA2	7-7	0950	16279	Mon	00795 00310 30978 ... 62935 65571 73776	MFSK-16/20Bd	(AB)
XPA2	7-7	1500	13954	Mon	07964 00001 00000 37665	MFSK-16/20Bd	(AB)
XPA2	7-7	1520	12154	Mon	07964 00001 00000 37665	MFSK-16/20Bd	(AB)
XPA2	7-7	1540	11454	Mon	07964 00001 00000 37665	MFSK-16/20Bd	(AB)
XPA2	8-7	1100	14958	Tue	05482 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	8-7	1120	13958	Tue	05482 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	8-7	1140	12158	Tue	05482 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	8-7	1700	18235	Tue	08811 00001 00000 35661	MFSK-16/20Bd	(AB)
XPA2	8-7	1720	17437	Tue	08811 00001 00000 35661	MFSK-16/20Bd	(AB)
XPA2	8-7	1740	16179	Tue	08811 00001 00000 35661	MFSK-16/20Bd	(AB)

XPA2	9-7	0700	12148	Wed	01512 00630 72188 ... 56746 16003 70111	MFSK-16/20Bd	(AB)
XPA2	9-7	0720	13448	Wed	01512 00630 72188 ... 56746 16003 70111	MFSK-16/20Bd	(AB)
XPA2	9-7	0740	13948	Wed	01512 00630 72188 ... 56746 16003 70111	MFSK-16/20Bd	(AB)
XPA2	9-7	0910	19345	Wed	00795 00310 30978 ... 62935 65571 73776	MFSK-16/20Bd	(AB)
XPA2	9-7	0930	18495	Wed	00795 00310 30978 ... 62935 65571 73776	MFSK-16/20Bd	(AB)
XPA2	9-7	0950	16279	Wed	00795 00310 30978 ... 62935 65571 73776	MFSK-16/20Bd	(AB)
XPA2	9-7	1100	17435	Wed	02576 00358 23473 ... 72999 81939 52147	MFSK-16/20Bd	(AB)
XPA2	9-7	1120	16235	Wed	02576 00358 23473 ... 72999 81939 52147	MFSK-16/20Bd	(AB)
XPA2	9-7	1140	14935	Wed	02576 00358 23473 ... 72999 81939 52147	MFSK-16/20Bd	(AB)
XPA2	9-7	1800	17474	Wed	00111 00187 11920 ... 75688 84645 67420	MFSK-16/20Bd	(AB)
XPA2	9-7	1820	16274	Wed	00111 00187 11920 ... 75688 84645 67420	MFSK-16/20Bd	(AB)
XPA2	9-7	1840	14574	Wed	00111 00187 11920 ... 75688 84645 67420	MFSK-16/20Bd	(AB)
XPA2	10-7	0900	18371	Thu	00708 00574 59177 ... 87068 62078 15153	MFSK-16/20Bd	(AB)
XPA2	10-7	0920	17457	Thu	00708 00574 59177 ... 87068 62078 15153	MFSK-16/20Bd	(AB)
XPA2	10-7	0940	16279	Thu	00708 00574 59177 ... 87068 62078 15153	MFSK-16/20Bd	(AB)
XPA2	10-7	1100	17435	Thu	02576 00358 23473 ... 72999 81939 52147	MFSK-16/20Bd	(AB)
XPA2	10-7	1120	16235	Thu	02576 00358 23473 ... 72999 81939 52147	MFSK-16/20Bd	(AB)
XPA2	10-7	1140	14935	Thu	02576 00358 23473 ... 72999 81939 52147	MFSK-16/20Bd	(AB)
XPA2	10-7	1700	18235	Thu	09514 00001 00000 35662	MFSK-16/20Bd	(AB)
XPA2	10-7	1720	17437	Thu	09514 00001 00000 35662	MFSK-16/20Bd	(AB)
XPA2	10-7	1740	16179	Thu	09514 00001 00000 35662	MFSK-16/20Bd	(AB)
XPA2	11-7	1100	14958	Fri	05392 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	11-7	1120	13958	Fri	05392 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	11-7	1140	12158	Fri	05392 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	11-7	1800	17474	Fri	00111 00187 11920 ... 75688 84645 67420	MFSK-16/20Bd	(AB)
XPA2	11-7	1820	16274	Fri	00111 00187 11920 ... 75688 84645 67420	MFSK-16/20Bd	(AB)
XPA2	11-7	1840	14574	Fri	00111 00187 11920 ... 75688 84645 67420	MFSK-16/20Bd	(AB)
XPA2	12-7	0900	18371	Sat	00708 00574 59177 ... 87068 62078 15153	MFSK-16/20Bd	(AB)
XPA2	12-7	0920	17457	Sat	00708 00574 59177 ... 87068 62078 15153	MFSK-16/20Bd	(AB)
XPA2	12-7	0940	16279	Sat	00708 00574 59177 ... 87068 62078 15153	MFSK-16/20Bd	(AB)
XPA2	12-7	1500	13954	Sat	01119 00001 00000 36252	MFSK-16/20Bd	(AB)
XPA2	12-7	1520	12154	Sat	01119 00001 00000 36252	MFSK-16/20Bd	(AB)
XPA2	12-7	1540	11454	Sat	01119 00001 00000 36252	MFSK-16/20Bd	(AB)
XPA2	14-7	0700	12148	Mon	07253 00227 72385 ... 18133 88681 21430	MFSK-16/20Bd	(AB)
XPA2	14-7	0720	13448	Mon	07253 00227 72385 ... 18133 88681 21430	MFSK-16/20Bd	(AB)
XPA2	14-7	0740	13948	Mon	07253 00227 72385 ... 18133 88681 21430	MFSK-16/20Bd	(AB)
XPA2	14-7	0910	19345	Mon	00720 00130 84955 ... 53163 42583 47055	MFSK-16/20Bd	(AB)
XPA2	14-7	0930	18495	Mon	00720 00130 84955 ... 53163 42583 47055	MFSK-16/20Bd	(AB)
XPA2	14-7	0950	16279	Mon	00720 00130 84955 ... 53163 42583 47055	MFSK-16/20Bd	(AB)
XPA2	14-7	1500	13954	Mon	01061 00123 32531 ... 30013 87066 34113	MFSK-16/20Bd	(AB)
XPA2	14-7	1520	12154	Mon	01061 00123 32531 ... 30013 87066 34113	MFSK-16/20Bd	(AB)
XPA2	14-7	1540	11454	Mon	01061 00123 32531 ... 30013 87066 34113	MFSK-16/20Bd	(AB)

XPA2	15-7	1100	14958	Tue	06262 00260 76279 ... 83602 22596 53310	MFSK-16/20Bd	(AB)
XPA2	15-7	1120	13958	Tue	06262 00260 76279 ... 83602 22596 53310	MFSK-16/20Bd	(AB)
XPA2	15-7	1140	12158	Tue	06262 00260 76279 ... 83602 22596 53310	MFSK-16/20Bd	(AB)
XPA2	15-7	1700	18235	Tue	00410 00188 06271 ... 75794 65225 03660	MFSK-16/20Bd	(AB)
XPA2	15-7	1720	17437	Tue	00410 00188 06271 ... 75794 65225 03660	MFSK-16/20Bd	(AB)
XPA2	15-7	1740	16179	Tue	00410 00188 06271 ... 75794 65225 03660	MFSK-16/20Bd	(AB)
XPA2	16-7	0700	12148	Wed	07253 00227 72385 ... 18133 88681 21430	MFSK-16/20Bd	(AB)
XPA2	16-7	0720	13448	Wed	07253 00227 72385 ... 18133 88681 21430	MFSK-16/20Bd	(AB)
XPA2	16-7	0740	13948	Wed	07253 00227 72385 ... 18133 88681 21430	MFSK-16/20Bd	(AB)
XPA2	16-7	0910	19345	Wed	00720 00130 84955 ... 53163 42583 47055	MFSK-16/20Bd	(AB)
XPA2	16-7	0930	18495	Wed	00720 00130 84955 ... 53163 42583 47055	MFSK-16/20Bd	(AB)
XPA2	16-7	0950	16279	Wed	00720 00130 84955 ... 53163 42583 47055	MFSK-16/20Bd	(AB)
XPA2	16-7	1100	17435	Wed	03925 00001 00000 40255	MFSK-16/20Bd	(AB)
XPA2	16-7	1120	16235	Wed	03925 00001 00000 40255	MFSK-16/20Bd	(AB)
XPA2	16-7	1140	14935	Wed	03925 00001 00000 40255	MFSK-16/20Bd	(AB)
XPA2	16-7	1800	17474	Wed	00833 00203 02604 ... 41696 63814 41225	MFSK-16/20Bd	(AB)
XPA2	16-7	1820	16274	Wed	00833 00203 02604 ... 41696 63814 41225	MFSK-16/20Bd	(AB)
XPA2	16-7	1840	14574	Wed	00833 00203 02604 ... 41696 63814 41225	MFSK-16/20Bd	(AB)
XPA2	17-7	0900	18371	Thu	08977 00001 00000 41267	MFSK-16/20Bd	(AB)
XPA2	17-7	0920	17457	Thu	08977 00001 00000 41267	MFSK-16/20Bd	(AB)
XPA2	17-7	0940	16279	Thu	08977 00001 00000 41267	MFSK-16/20Bd	(AB)
XPA2	17-7	1100	17435	Thu	02760 00001 00000 34660	MFSK-16/20Bd	(AB)
XPA2	17-7	1120	16235	Thu	02760 00001 00000 34660	MFSK-16/20Bd	(AB)
XPA2	17-7	1140	14935	Thu	02760 00001 00000 34660	MFSK-16/20Bd	(AB)
XPA2	17-7	1700	18235	Thu	00410 00188 06271 ... 75794 65225 03760	MFSK-16/20Bd	(AB)
XPA2	17-7	1720	17437	Thu	00410 00188 06271 ... 75794 65225 03760	MFSK-16/20Bd	(AB)
XPA2	17-7	1740	16179	Thu	00410 00188 06271 ... 75794 65225 03760	MFSK-16/20Bd	(AB)
XPA2	18-7	1100	14958	Fri	06262 00260 76279 ... 83602 22596 53310	MFSK-16/20Bd	(AB)
XPA2	18-7	1120	13958	Fri	06262 00260 76279 ... 83602 22596 53310	MFSK-16/20Bd	(AB)
XPA2	18-7	1140	12158	Fri	06262 00260 76279 ... 83602 22596 53310	MFSK-16/20Bd	(AB)
XPA2	18-7	1800	17474	Fri	00833 00203 02604 ... 41696 63814 41225	MFSK-16/20Bd	(AB)
XPA2	18-7	1820	16274	Fri	00833 00203 02604 ... 41696 63814 41225	MFSK-16/20Bd	(AB)
XPA2	18-7	1840	14574	Fri	00833 00203 02604 ... 41696 63814 41225	MFSK-16/20Bd	(AB)
XPA2	19-7	0900	18371	Sat	09717 00001 00000 40262	MFSK-16/20Bd	(AB)
XPA2	19-7	0920	17457	Sat	09717 00001 00000 40262	MFSK-16/20Bd	(AB)
XPA2	19-7	0940	16279	Sat	09717 00001 00000 40262	MFSK-16/20Bd	(AB)
XPA2	19-7	1500	13954	Sat	01061 00123 32531 ... 30013 87066 34113	MFSK-16/20Bd	(AB)
XPA2	19-7	1520	12154	Sat	01061 00123 32531 ... 30013 87066 34113	MFSK-16/20Bd	(AB)
XPA2	19-7	1540	11454	Sat	01061 00123 32531 ... 30013 87066 34113	MFSK-16/20Bd	(AB)
XPA2	21-7	0700	12148	Mon	07253 00227 72385 ... 18133 88681 21430	MFSK-16/20Bd	(AB)
XPA2	21-7	0720	13448	Mon	07253 00227 72385 ... 18133 88681 21430	MFSK-16/20Bd	(AB)
XPA2	21-7	0740	13948	Mon	07253 00227 72385 ... 18133 88681 21430	MFSK-16/20Bd	(AB)

XPA2	21-7	0910	19345	Mon	00143 00288 35404 ... 32783 77241 24105	MFSK-16/20Bd	(AB)
XPA2	21-7	0930	18495	Mon	00143 00288 35404 ... 32783 77241 24105	MFSK-16/20Bd	(AB)
XPA2	21-7	0950	16279	Mon	00143 00288 35404 ... 32783 77241 24105	MFSK-16/20Bd	(AB)
XPA2	21-7	1500	13954	Mon	09545 00001 00000 36265	MFSK-16/20Bd	(AB)
XPA2	21-7	1520	12154	Mon	09545 00001 00000 36265	MFSK-16/20Bd	(AB)
XPA2	21-7	1540	11454	Mon	09545 00001 00000 36265	MFSK-16/20Bd	(AB)
XPA2	22-7	1100	14958	Tue	03798 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	22-7	1120	13958	Tue	03798 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	22-7	1140	12158	Tue	03798 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	22-7	1700	18235	Tue	05123 00001 00000 33257	MFSK-16/20Bd	(AB)
XPA2	22-7	1720	17437	Tue	05123 00001 00000 33257	MFSK-16/20Bd	(AB)
XPA2	22-7	1740	16179	Tue	05123 00001 00000 33257	MFSK-16/20Bd	(AB)
XPA2	23-7	0700	12148	Wed	07253 00227 72385 ... 18133 88681 21430	MFSK-16/20Bd	(AB)
XPA2	23-7	0720	13448	Wed	07253 00227 72385 ... 18133 88681 21430	MFSK-16/20Bd	(AB)
XPA2	23-7	0740	13948	Wed	07253 00227 72385 ... 18133 88681 21430	MFSK-16/20Bd	(AB)
XPA2	23-7	0910	19345	Wed	00143 00288 35404 ... 32783 77241 24105	MFSK-16/20Bd	(AB)
XPA2	23-7	0930	18495	Wed	00143 00288 35404 ... 32783 77241 24105	MFSK-16/20Bd	(AB)
XPA2	23-7	0950	16279	Wed	00143 00288 35404 ... 32783 77241 24105	MFSK-16/20Bd	(AB)
XPA2	23-7	1100	17435	Wed	09539 00654 91618 ... 17352 66203 67315	MFSK-16/20Bd	(AB)
XPA2	23-7	1120	16235	Wed	09539 00654 91618 ... 17352 66203 67315	MFSK-16/20Bd	(AB)
XPA2	23-7	1140	14935	Wed	09539 00654 91618 ... 17352 66203 67315	MFSK-16/20Bd	(AB)
XPA2	23-7	1800	17474	Wed	01099 00301 45743 ... 87208 51515 22115	MFSK-16/20Bd	(AB)
XPA2	23-7	1820	16274	Wed	01099 00301 45743 ... 87208 51515 22115	MFSK-16/20Bd	(AB)
XPA2	23-7	1840	14574	Wed	01099 00301 45743 ... 87208 51515 22115	MFSK-16/20Bd	(AB)
XPA2	24-7	0900	18371	Thu	08681 00469 42452 ... 68608 13828 02566	MFSK-16/20Bd	(AB)
XPA2	24-7	0920	17457	Thu	08681 00469 42452 ... 68608 13828 02566	MFSK-16/20Bd	(AB)
XPA2	24-7	0940	16279	Thu	08681 00469 42452 ... 68608 13828 02566	MFSK-16/20Bd	(AB)
XPA2	24-7	1100	17435	Thu	09539 00654 91618 ... 17352 66203 67315	MFSK-16/20Bd	(AB)
XPA2	24-7	1120	16235	Thu	09539 00654 91618 ... 17352 66203 67315	MFSK-16/20Bd	(AB)
XPA2	24-7	1140	14935	Thu	09539 00654 91618 ... 17352 66203 67315	MFSK-16/20Bd	(AB)
XPA2	24-7	1700	18235	Thu	09223 00001 00000 33663	MFSK-16/20Bd	(AB)
XPA2	24-7	1720	17437	Thu	09223 00001 00000 33663	MFSK-16/20Bd	(AB)
XPA2	24-7	1740	16179	Thu	09223 00001 00000 33663	MFSK-16/20Bd	(AB)
XPA2	25-7	1100	14958	Fri	09572 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	25-7	1120	13958	Fri	09572 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	25-7	1140	12158	Fri	09572 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	25-7	1800	17474	Fri	01099 00301 45743 ... 87208 51515 22115	MFSK-16/20Bd	(AB)
XPA2	25-7	1820	16274	Fri	01099 00301 45743 ... 87208 51515 22115	MFSK-16/20Bd	(AB)
XPA2	25-7	1840	14574	Fri	01099 00301 45743 ... 87208 51515 22115	MFSK-16/20Bd	(AB)
XPA2	26-7	0900	18371	Sat	08681 00469 42452 ... 68608 13828 02566	MFSK-16/20Bd	(AB)
XPA2	26-7	0920	17457	Sat	08681 00469 42452 ... 68608 13828 02566	MFSK-16/20Bd	(AB)
XPA2	26-7	0940	16279	Sat	08681 00469 42452 ... 68608 13828 02566	MFSK-16/20Bd	(AB)

XPA2	26-7	1500	13954	Sat	05709 00001 00000 41255	MFSK-16/20Bd	(AB)
XPA2	26-7	1520	12154	Sat	05709 00001 00000 41255	MFSK-16/20Bd	(AB)
XPA2	26-7	1540	11454	Sat	05709 00001 00000 41255	MFSK-16/20Bd	(AB)
XPA2	28-7	0700	12148	Mon	07481 00001 00000 33667	MFSK-16/20Bd	(AB)
XPA2	28-7	0720	13448	Mon	07481 00001 00000 33667	MFSK-16/20Bd	(AB)
XPA2	28-7	0740	13948	Mon	07481 00001 00000 33667	MFSK-16/20Bd	(AB)
XPA2	28-7	0910	19345	Mon	00846 00651 10915 ... 67476 44099 01006	MFSK-16/20Bd	(AB)
XPA2	28-7	0930	18495	Mon	00846 00651 10915 ... 67476 44099 01006	MFSK-16/20Bd	(AB/TJ)
XPA2	28-7	0950	16279	Mon	00846 00651 10915 ... 67476 44099 01006	MFSK-16/20Bd	(AB/TJ)
XPA2	28-7	1500	13954	Mon	04634 00177 78598 ... 27067 19191 12522	MFSK-16/20Bd	(AB)
XPA2	28-7	1520	12154	Mon	04634 00177 78598 ... 27067 19191 12522	MFSK-16/20Bd	(AB)
XPA2	28-7	1540	11454	Mon	04634 00177 78598 ... 27067 19191 12522	MFSK-16/20Bd	(AB)
XPA2	29-7	0600	8168	Tue	08442 00125 77740 ... 91550 10999 71061	MFSK-16/20Bd	(PY)
XPA2	29-7	0610	9193	Tue	08442 00125 77740 ... 91550 10999 71061	MFSK-16/20Bd	(PY)
XPA2	29-7	0620	10559	Tue	08442 00125 77740 ... 91550 10999 71061	MFSK-16/20Bd	(PY)
XPA2	29-7	0630	11504	Tue	08442 00125 77740 ... 91550 10999 71061	MFSK-16/20Bd	(PY)
XPA2	29-7	0640	12141	Tue	08442 00125 77740 ... 91550 10999 71061	MFSK-16/20Bd	(PY)
XPA2	29-7	0650	13526	Tue	08442 00125 77740 ... 91550 10999 71061	MFSK-16/20Bd	(PY)
XPA2	29-7	0800	8168	Tue	04022 00135 12485 ... 06483 32251 15061	MFSK-16/20Bd	(PY)
XPA2	29-7	0810	9193	Tue	04022 00135 12485 ... 06483 32251 15061	MFSK-16/20Bd	(PY)
XPA2	29-7	0820	10559	Tue	04022 00135 12485 ... 06483 32251 15061	MFSK-16/20Bd	(PY)
XPA2	29-7	0830	11504	Tue	04022 00135 12485 ... 06483 32251 15061	MFSK-16/20Bd	(PY)
XPA2	29-7	0840	12141	Tue	04022 00135 12485 ... 06483 32251 15061	MFSK-16/20Bd	(PY)
XPA2	29-7	0850	13526	Tue	04022 00135 12485 ... 06483 32251 15061	MFSK-16/20Bd	(PY)
XPA2	29-7	1000	8168	Tue	09647 00122 77119 ... 88464 60623 23663	MFSK-16/20Bd	(PY)
XPA2	29-7	1010	9193	Tue	09647 00122 77119 ... 88464 60623 23663	MFSK-16/20Bd	(PY)
XPA2	29-7	1020	10559	Tue	09647 00122 77119 ... 88464 60623 23663	MFSK-16/20Bd	(PY)
XPA2	29-7	1030	11504	Tue	09647 00122 77119 ... 88464 60623 23663	MFSK-16/20Bd	(PY)
XPA2	29-7	1040	12141	Tue	09647 00122 77119 ... 88464 60623 23663	MFSK-16/20Bd	(PY)
XPA2	29-7	1050	13526	Tue	09647 00122 77119 ... 88464 60623 23663	MFSK-16/20Bd	(PY)
XPA2	29-7	1100	14958	Tue	01028 00389 91151 ... 86244 33609 43424	MFSK-16/20Bd	(AB)
XPA2	29-7	1120	13958	Tue	01028 00389 91151 ... 86244 33609 43424	MFSK-16/20Bd	(AB)
XPA2	29-7	1140	12158	Tue	01028 00389 91151 ... 86244 33609 43424	MFSK-16/20Bd	(AB)
XPA2	29-7	1200	8168	Tue	09924 00131 40830 ... 87357 95596 25460	MFSK-16/20Bd	(PY)
XPA2	29-7	1210	9193	Tue	09924 00131 40830 ... 87357 95596 25460	MFSK-16/20Bd	(PY)
XPA2	29-7	1220	10559	Tue	09924 00131 40830 ... 87357 95596 25460	MFSK-16/20Bd	(PY)
XPA2	29-7	1230	11504	Tue	09924 00131 40830 ... 87357 95596 25460	MFSK-16/20Bd	(PY)
XPA2	29-7	1240	12141	Tue	09924 00131 40830 ... 87357 95596 25460	MFSK-16/20Bd	(PY)
XPA2	29-7	1250	13526	Tue	09924 00131 40830 ... 87357 95596 25460	MFSK-16/20Bd	(PY)
XPA2	29-7	1700	18235	Tue	02558 00195 06248 ... 90874 44972 47447	MFSK-16/20Bd	(AB)
XPA2	29-7	1720	17437	Tue	02558 00195 06248 ... 90874 44972 47447	MFSK-16/20Bd	(AB)
XPA2	29-7	1740	16179	Tue	02558 00195 06248 ... 90874 44972 47447	MFSK-16/20Bd	(AB)

XPA2	30-7	0700	12148	Wed	06149 00001 00000 36262	MFSK-16/20Bd	(AB)
XPA2	30-7	0720	13448	Wed	06149 00001 00000 36262	MFSK-16/20Bd	(AB)
XPA2	30-7	0740	13948	Wed	06149 00001 00000 36262	MFSK-16/20Bd	(AB)
XPA2	30-7	0910	19345	Wed	00846 00651 10915 ... 67476 44099 01006	MFSK-16/20Bd	(AB)
XPA2	30-7	0930	18495	Wed	00846 00651 10915 ... 67476 44099 01006	MFSK-16/20Bd	(AB)
XPA2	30-7	0950	16279	Wed	00846 00651 10915 ... 67476 44099 01006	MFSK-16/20Bd	(AB)
XPA2	30-7	1100	17435	Wed	03062 00537 86153 ... 22246 71765 11164	MFSK-16/20Bd	(AB)
XPA2	30-7	1120	16235	Wed	03062 00537 86153 ... 22246 71765 11164	MFSK-16/20Bd	(AB)
XPA2	30-7	1140	14935	Wed	03062 00537 86153 ... 22246 71765 11164	MFSK-16/20Bd	(AB)
XPA2	30-7	1800	17474	Wed	00815 00098 28568 ... 90862 24046 27624	MFSK-16/20Bd	(AB)
XPA2	30-7	1820	16274	Wed	00815 00098 28568 ... 90862 24046 27624	MFSK-16/20Bd	(AB)
XPA2	30-7	1840	14574	Wed	00815 00098 28568 ... 90862 24046 27624	MFSK-16/20Bd	(AB)
XPA2	31-7	0600	8168	Thu	05230 00138 78060 ... 66150 52358 46046	MFSK-16/20Bd	(PY)
XPA2	31-7	0610	9193	Thu	05230 00138 78060 ... 66150 52358 46046	MFSK-16/20Bd	(PY)
XPA2	31-7	0620	10559	Thu	05230 00138 78060 ... 66150 52358 46046	MFSK-16/20Bd	(PY)
XPA2	31-7	0630	11504	Thu	05230 00138 78060 ... 66150 52358 46046	MFSK-16/20Bd	(PY)
XPA2	31-7	0640	12141	Thu	05230 00138 78060 ... 66150 52358 46046	MFSK-16/20Bd	(PY)
XPA2	31-7	0650	13526	Thu	05230 00138 78060 ... 66150 52358 46046	MFSK-16/20Bd	(PY)
XPA2	31-7	0800	8168	Thu	02169 00135 58613 ... 95944 34236 41465	MFSK-16/20Bd	(PY)
XPA2	31-7	0810	9193	Thu	02169 00135 58613 ... 95944 34236 41465	MFSK-16/20Bd	(PY)
XPA2	31-7	0820	10559	Thu	02169 00135 58613 ... 95944 34236 41465	MFSK-16/20Bd	(PY)
XPA2	31-7	0830	11504	Thu	02169 00135 58613 ... 95944 34236 41465	MFSK-16/20Bd	(PY)
XPA2	31-7	0840	12141	Thu	02169 00135 58613 ... 95944 34236 41465	MFSK-16/20Bd	(PY)
XPA2	31-7	0850	13526	Thu	02169 00135 58613 ... 95944 34236 41465	MFSK-16/20Bd	(PY)
XPA2	31-7	0900	18371	Thu	00786 00201 49269 ... 80676 04150 50407	MFSK-16/20Bd	(AB)
XPA2	31-7	0920	17457	Thu	00786 00201 49269 ... 80676 04150 50407	MFSK-16/20Bd	(AB)
XPA2	31-7	0940	16279	Thu	00786 00201 49269 ... 80676 04150 50407	MFSK-16/20Bd	(AB)
XPA2	31-7	1000	8168	Thu	01689 00134 71146 ... 08820 36357 65374	MFSK-16/20Bd	(PY)
XPA2	31-7	1010	9193	Thu	01689 00134 71146 ... 08820 36357 65374	MFSK-16/20Bd	(PY)
XPA2	31-7	1020	10559	Thu	01689 00134 71146 ... 08820 36357 65374	MFSK-16/20Bd	(PY)
XPA2	31-7	1030	11504	Thu	01689 00134 71146 ... 08820 36357 65374	MFSK-16/20Bd	(PY)
XPA2	31-7	1040	12141	Thu	01689 00134 71146 ... 08820 36357 65374	MFSK-16/20Bd	(PY)
XPA2	31-7	1050	13526	Thu	01689 00134 71146 ... 08820 36357 65374	MFSK-16/20Bd	(PY)
XPA2	31-7	1100	17435	Thu	03062 00537 86153 ... 11245 60654 00053	MFSK-16/20Bd	(AB)
XPA2	31-7	1120	16235	Thu	03062 00537 86153 ... 11245 60654 00053	MFSK-16/20Bd	(AB)
XPA2	31-7	1140	14935	Thu	03062 00537 86153 ... 11245 60654 00053	MFSK-16/20Bd	(AB)
XPA2	31-7	1200	8168	Thu	02453 00139 33970 ... 87019 13743 14555	MFSK-16/20Bd	(PY)
XPA2	31-7	1210	9193	Thu	02453 00139 33970 ... 87019 13743 14555	MFSK-16/20Bd	(PY)
XPA2	31-7	1220	10559	Thu	02453 00139 33970 ... 87019 13743 14555	MFSK-16/20Bd	(PY)
XPA2	31-7	1230	11504	Thu	02453 00139 33970 ... 87019 13743 14555	MFSK-16/20Bd	(PY)
XPA2	31-7	1240	12141	Thu	02453 00139 33970 ... 87019 13743 14555	MFSK-16/20Bd	(PY)
XPA2	31-7	1250	13526	Thu	02453 00139 33970 ... 87019 13743 14555	MFSK-16/20Bd	(PY)

XPA2	31-7	1700	18235	Thu	02558 00195 06248 ... 90874 44972 47447	MFSK-16/20Bd	(AB)
XPA2	31-7	1720	17437	Thu	02558 00195 06248 ... 90874 44972 47447	MFSK-16/20Bd	(AB)
XPA2	31-7	1740	16179	Thu	02558 00195 06248 ... 90874 44972 47447	MFSK-16/20Bd	(AB)
XPB1	30-5	0550	15821	Fri	Russian intel.	MFSK-16	(PY)
XPB1	30-5	0720	18422	Fri	Russian intel.	MFSK-16	(PY)
XPB1	30-5	0730	17418	Fri	Russian intel.	MFSK-16	(PY)
XPB1	30-5	0740	15937	Fri	Russian intel.	MFSK-16	(PY)
XPB1	30-5	0750	14487	Fri	Russian intel.	MFSK-16	(PY)
XPB1	30-5	0910	19371	Fri	Russian intel.	MFSK-16	(PY)
XPB1	30-5	0920	16343	Fri	Russian intel.	MFSK-16	(PY)
XPB1	30-5	0930	14968	Fri	Russian intel.	MFSK-16	(PY)
XPB1	30-5	0940	13553	Fri	Russian intel.	MFSK-16	(PY)
XPB1	30-5	0950	12224	Fri	Russian intel.	MFSK-16	(PY)
XPB1	30-5	1100	16344	Fri	Russian intel.	MFSK-16	(PY)
XPB1	30-5	1110	15881	Fri	Russian intel.	MFSK-16	(PY)
XPB1	30-5	1120	14487	Fri	Russian intel.	MFSK-16	(PY)
XPB1	30-5	1130	13942	Fri	Russian intel.	MFSK-16	(PY)
XPB1	30-5	1140	12171	Fri	Russian intel.	MFSK-16	(PY)
XPB1	30-5	1150	10346	Fri	Russian intel.	MFSK-16	(PY)
XPB1	30-5	1300	13437	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	30-5	1310	12181	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	30-5	1320	11572	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	30-5	1330	11157	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	30-5	1340	10449	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	30-5	1350	10288	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	30-5	1500	15831	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	30-5	1510	14807	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	30-5	1520	13963	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	30-5	1530	13399	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	30-5	1540	12117	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	30-5	1550	11467	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	30-5	1700	15891	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	30-5	1710	14671	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	30-5	1720	13921	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	30-5	1730	13399	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	30-5	1740	12168	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	30-5	1750	11416	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	30-5	1900	16302	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	30-5	1910	15804	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	30-5	1920	14529	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	30-5	1930	13485	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	30-5	1940	12109	Fri	Russian intel.	MFSK-16	(AB/PY)

XPB1	30-5	1950	11514	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	30-5	2100	14904	Fri	Russian intel.	MFSK-16	(AB)
XPB1	30-5	2110	14421	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	30-5	2120	13484	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	30-5	2130	12214	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	30-5	2140	11514	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	30-5	2150	10414	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	31-5	0430	17457	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	0440	16236	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	0450	15835	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	0600	20184	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	0610	19583	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	0620	18559	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	0630	17472	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	0640	16131	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	0650	15836	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	0800	20322	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	0810	19613	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	0820	18392	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	0830	17423	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	0840	14923	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	0850	13402	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	1000	17474	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	1010	16284	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	1020	15887	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	1030	14612	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	1040	13551	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	1050	11591	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	1200	13564	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	1210	12147	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	1220	11586	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	1230	11144	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	1240	10387	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	1250	10384	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	1400	13564	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	1410	13364	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	1420	12129	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	1430	11548	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	1440	11169	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	1450	10284	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	1600	15836	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	1610	14953	Sat	Russian intel.	MSFK-16/32Bd	(PY)

XPB1	31-5	1620	13949	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	1630	13362	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	1640	12165	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	1650	11597	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	1800	14979	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	1810	14517	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	1820	13439	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	1830	12129	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	1840	11573	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	1850	10285	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	2000	16298	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	2010	15803	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	2020	14454	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	2030	13384	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	2040	12116	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	2050	11541	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	2200	13561	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	2220	12171	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	31-5	2240	11143	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	1-6	0540	17454	Sun	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	1-6	0550	15821	Sun	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	1-6	0720	18422	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	0730	17418	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	0740	15937	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	0750	14487	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	0910	19371	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	0920	16343	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	0930	14968	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	0940	13553	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	0950	12224	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	1100	16344	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	1110	15881	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	1120	14487	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	1130	13942	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	1140	12171	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	1150	10346	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	1300	13437	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	1310	12181	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	1320	11572	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	1330	11157	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	1340	10449	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	1350	10288	Sun	Russian intel.	MFSK-16/32Bd	(PY)

XPB1	1-6	1500	15831	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	1510	14807	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	1520	13963	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	1530	13399	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	1540	12117	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	1550	11467	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	1700	15891	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	1710	14671	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	1720	13921	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	1730	13399	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	1740	12168	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	1750	11416	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-6	1900	16302	Sun	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	1-6	2100	14904	Sun	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	1-6	2110	14421	Sun	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	1-6	2120	13484	Sun	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	1-6	2130	12214	Sun	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	1-6	2140	11514	Sun	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	1-6	2150	10414	Sun	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	2-6	0530	18256	Mon	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	2-6	0540	17454	Mon	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	2-6	0550	15821	Mon	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	2-6	0700	20841	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	0710	19593	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	0720	18422	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	0730	17418	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	0740	15937	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	0750	14487	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	0910	19371	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	0920	16343	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	0930	14968	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	0940	13553	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	0950	12224	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	1100	16344	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	1110	15881	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	1120	14487	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	1130	13942	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	1140	12171	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	1150	10346	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	1300	13437	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	1310	12181	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	1320	11572	Mon	Russian intel.	MFSK-16/32Bd	(PY)

XPB1	2-6	1330	11157	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	1340	10449	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	1350	10288	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	1500	15831	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	1510	14807	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	1520	13963	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	1530	13399	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	1540	12117	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	1550	11467	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	1700	15891	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	1710	14671	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	1720	13921	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	1730	13399	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	1740	12168	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	1750	11416	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	1900	16302	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	2-6	2150	10414	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	3-6	0430	17457	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	0440	16236	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	0450	15835	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	0630	17472	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	0640	16131	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	0650	15836	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	0820	18392	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	0830	17423	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	0840	14923	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	0850	13402	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	1000	17474	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	1010	16284	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	1020	15887	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	1030	14612	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	1040	13551	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	1050	11591	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	1200	13564	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	1210	12147	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	1220	11586	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	1230	11144	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	1240	10387	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	1250	10384	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	1400	13564	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	1410	13364	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	1420	12129	Tue	Russian intel.	MSFK-16/32Bd	(PY)

XPB1	3-6	1430	11548	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	1440	11169	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	1450	10284	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	1600	15836	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	1610	14953	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	1620	13949	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	1630	13362	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	1640	12165	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	1650	11597	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	1800	14979	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	1810	14517	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	1820	13439	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	1830	12129	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	1840	11573	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	1850	10285	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	2000	16298	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	2010	15803	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	2020	14454	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	2030	13384	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	2040	12116	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	2050	11541	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	2200	13561	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	2210	13442	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	2220	12171	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	2230	11547	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	2240	11143	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	3-6	2250	10484	Tue	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	4-6	0500	20562	Wed	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	4-6	0510	20499	Wed	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	4-6	0520	19284	Wed	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	4-6	0530	18256	Wed	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	4-6	0540	17454	Wed	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	4-6	0550	15821	Wed	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	4-6	0700	20841	Wed	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	4-6	0710	19593	Wed	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	4-6	0720	18422	Wed	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	4-6	0730	17418	Wed	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	4-6	0740	15937	Wed	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	4-6	0750	14487	Wed	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	4-6	0900	20929	Wed	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	4-6	0910	19371	Wed	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	4-6	0920	16343	Wed	Russian intel.	MFSK-16/32Bd	(PY)

XPB1	4-6	0930	14968	Wed	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	4-6	0940	13553	Wed	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	4-6	0950	12224	Wed	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	4-6	1100	16344	Wed	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	4-6	1110	15881	Wed	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	4-6	1120	14487	Wed	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	4-6	1130	13942	Wed	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	4-6	1140	12171	Wed	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	4-6	1150	10346	Wed	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	4-6	1300	13437	Wed	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	4-6	1310	12181	Wed	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	4-6	1320	11572	Wed	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	4-6	1330	11157	Wed	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	4-6	1340	10449	Wed	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	4-6	1350	10288	Wed	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	4-6	1500	15831	Wed	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	4-6	1510	14807	Wed	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	4-6	1520	13963	Wed	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	4-6	1530	13399	Wed	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	4-6	1540	12117	Wed	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	4-6	1550	11467	Wed	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	4-6	1700	15891	Wed	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	4-6	1710	14671	Wed	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	4-6	1720	13921	Wed	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	4-6	1730	13399	Wed	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	4-6	1740	12168	Wed	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	4-6	1750	11416	Wed	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	4-6	1900	16302	Wed	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	4-6	1910	15804	Wed	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	4-6	1920	14529	Wed	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	4-6	1930	13485	Wed	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	4-6	1940	12109	Wed	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	4-6	1950	11514	Wed	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	4-6	2110	14421	Wed	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	4-6	2130	12214	Wed	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	4-6	2140	11514	Wed	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	5-6	0430	17457	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	0440	16236	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	0450	15835	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	0600	20184	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	0610	19583	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	0620	18559	Thu	Russian intel.	MSFK-16/32Bd	(PY)

XPB1	5-6	0630	17472	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	0640	16131	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	0650	15836	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	0800	20322	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	0810	19613	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	0820	18392	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	0830	17423	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	0840	14923	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	0850	13402	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	1000	17474	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	1010	16284	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	1020	15887	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	1030	14612	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	1040	13551	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	1200	13564	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	1210	12147	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	1220	11586	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	1230	11144	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	1240	10387	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	1250	10384	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	1400	13564	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	1410	13364	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	1420	12129	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	1430	11548	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	1440	11169	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	1450	10284	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	1600	15836	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	1610	14953	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	1620	13949	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	1630	13362	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	1640	12165	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	1800	14979	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	1810	14517	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	1820	13439	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	1830	12129	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	1840	11573	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	1850	10285	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	2000	16298	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	2010	15803	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	2020	14454	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	2030	13384	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	2040	12116	Thu	Russian intel.	MSFK-16/32Bd	(PY)

XPB1	5-6	2050	11541	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	2200	13561	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	2210	13442	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	2220	12171	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	2230	11547	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	2240	11143	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	5-6	2250	10484	Thu	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	6-6	0530	18256	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	0540	17454	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	0550	15821	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	0700	20841	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	0710	19593	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	0720	18422	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	0730	17418	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	0740	15937	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	0750	14487	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	0900	20929	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	0910	19371	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	0920	16343	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	0930	14968	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	0940	13553	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	0950	12224	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	1100	16344	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	1110	15881	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	1120	14487	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	1130	13942	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	1140	12171	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	1150	10346	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	1300	13437	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	1310	12181	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	1320	11572	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	1330	11157	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	1340	10449	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	1350	10288	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	1500	15831	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	1510	14807	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	1520	13963	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	1530	13399	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	1540	12117	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	1550	11467	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	1700	15891	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	1710	14671	Fri	Russian intel.	MFSK-16	(PY)

XPB1	6-6	1720	13921	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	1730	13399	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	1740	12168	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	1750	11416	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	1900	16302	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	1910	15804	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	1920	14529	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	1930	13485	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	1940	12109	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	1950	11514	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	2100	14904	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	2110	14421	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	2120	13484	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	2130	12214	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	2140	11514	Fri	Russian intel.	MFSK-16	(PY)
XPB1	6-6	2150	10414	Fri	Russian intel.	MFSK-16	(PY)
XPB1	7-6	0400	20514	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	0410	19638	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	0420	18656	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	0430	17457	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	0440	16236	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	0440	16236	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	0450	15835	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	0600	20184	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	0610	19583	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	0620	18559	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	0630	17472	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	0640	16131	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	0650	15836	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	0800	20322	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	0810	19613	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	0820	18392	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	0830	17423	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	0840	14923	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	0850	13402	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	1000	17474	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	1010	16284	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	1020	15887	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	1030	14612	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	1040	13551	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	1050	11591	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	1200	13564	Sat	Russian intel.	MSFK-16/32Bd	(PY)

XPB1	7-6	1210	12147	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	1220	11586	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	1230	11144	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	1240	10387	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	1250	10384	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	1400	13564	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	1410	13364	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	1420	12129	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	1430	11548	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	1440	11169	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	1450	10284	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	1600	15836	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	1610	14953	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	1620	13949	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	1630	13362	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	1640	12165	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	1650	11597	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	1800	14979	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	1810	14517	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	1820	13439	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	1830	12129	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	1840	11573	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	1850	10285	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	2000	16298	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	2010	15803	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	2020	14454	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	2030	13384	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	2040	12116	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	2050	11541	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	2230	11547	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	2240	11143	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	7-6	2250	10484	Sat	Russian intel.	MSFK-16/32Bd	(PY)
XPB1	8-6	0510	20499	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	8-6	0520	19284	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	8-6	0530	18256	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	8-6	0540	17454	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	8-6	0550	15821	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	8-6	0700	20841	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	8-6	0710	19593	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	8-6	0720	18422	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	8-6	0730	17418	Sun	Russian intel.	MFSK-16/32Bd	(Hutch/PY)
XPB1	8-6	0740	15937	Sun	Russian intel.	MFSK-16/32Bd	(Hutch/PY)

XPB1	8-6	0750	14487	Sun	Russian intel.	MFSK-16/32Bd	(Hutch/PY)
XPB1	8-6	0900	20929	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	8-6	0910	19371	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	8-6	0920	16343	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	8-6	0930	14968	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	8-6	0940	13553	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	8-6	0950	12224	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	8-6	1100	16344	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	8-6	1110	15881	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	8-6	1120	14487	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	8-6	1130	13942	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	8-6	1140	12171	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	8-6	1150	10346	Sun	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	8-6	1300	13437	Sun	Russian intel.	MFSK-16/32Bd	(AB/PY)
XPB1	8-6	1310	12181	Sun	Russian intel.	MFSK-16/32Bd	(AB/PY)
XPB1	8-6	1320	11572	Sun	Russian intel.	MFSK-16/32Bd	(AB/PY)
XPB1	8-6	1330	11157	Sun	Russian intel.	MFSK-16/32Bd	(AB/PY)
XPB1	8-6	1340	10449	Sun	Russian intel.	MFSK-16/32Bd	(AB/PY)
XPB1	8-6	1350	10288	Sun	Russian intel.	MFSK-16/32Bd	(AB/PY)
XPB1	8-6	1500	15831	Sun	Russian intel.	MFSK-16/32Bd	(AB/PY)
XPB1	8-6	1510	14807	Sun	Russian intel.	MFSK-16/32Bd	(AB/PY)
XPB1	8-6	1520	13963	Sun	Russian intel.	MFSK-16/32Bd	(AB/PY)
XPB1	8-6	1530	13399	Sun	Russian intel.	MFSK-16/32Bd	(AB/PY)
XPB1	8-6	1540	12117	Sun	Russian intel.	MFSK-16/32Bd	(AB/PY)
XPB1	8-6	1550	11467	Sun	Russian intel.	MFSK-16/32Bd	(AB/PY)
XPB1	8-6	1700	15891	Sun	Russian intel.	MFSK-16/32Bd	(AB/PY)
XPB1	8-6	1710	14671	Sun	Russian intel.	MFSK-16/32Bd	(AB/PY)
XPB1	8-6	1720	13921	Sun	No transmission	MFSK-16/32Bd	(AB/PY)
XPB1	8-6	1730	13399	Sun	Russian intel.	MFSK-16/32Bd	(AB/PY)
XPB1	8-6	1740	12168	Sun	Russian intel.	MFSK-16/32Bd	(AB/PY)
XPB1	8-6	1750	11416	Sun	Russian intel.	MFSK-16/32Bd	(AB/PY)
XPB1	8-6	1900	16302	Sun	Russian intel.	MFSK-16/32Bd	(AB/PY)
XPB1	8-6	1910	15804	Sun	Russian intel.	MFSK-16/32Bd	(AB/PY)
XPB1	8-6	1920	14529	Sun	Russian intel.	MFSK-16/32Bd	(AB/PY)
XPB1	8-6	1930	13485	Sun	Russian intel.	MFSK-16/32Bd	(AB/PY)
XPB1	8-6	1940	12109	Sun	Russian intel.	MFSK-16/32Bd	(AB/PY)
XPB1	8-6	1950	11514	Sun	No transmission	MFSK-16/32Bd	(AB/PY)
XPB1	8-6	2100	14904	Sun	Russian intel.	MFSK-16/32Bd	(AB/PY)
XPB1	8-6	2110	14421	Sun	Russian intel.	MFSK-16/32Bd	(AB/PY)
XPB1	8-6	2120	13484	Sun	Russian intel.	MFSK-16/32Bd	(AB/PY)
XPB1	8-6	2130	12214	Sun	Russian intel.	MFSK-16/32Bd	(AB/PY)
XPB1	8-6	2140	11514	Sun	Russian intel.	MFSK-16/32Bd	(AB/PY)

XPB1	8-6	2150	10414	Sun	Russian intel.	MFSK-16/32Bd	(AB/PY)
XPB1	9-6	0550	15821	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	0700	20841	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	0710	19593	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	0720	18422	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	0730	17418	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	0740	15937	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	0750	14487	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	0900	20929	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	0910	19371	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	0920	16343	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	0930	14968	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	0940	13553	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	0950	12224	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	1100	16344	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	1110	15881	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	1120	14487	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	1130	13942	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	1140	12171	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	1150	10346	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	1300	13437	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	1310	12181	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	1320	11572	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	1330	11157	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	1340	10449	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	1350	10288	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	1500	15831	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	1510	14807	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	1520	13963	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	1530	13399	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	1540	12117	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	1550	11467	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	1700	15891	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	1710	14671	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	1720	13921	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	1730	13399	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	1740	12168	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	1750	11416	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	1900	16302	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	1910	15804	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	1920	14529	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	1930	13485	Mon	Russian intel.	MFSK-16/32Bd	(PY)

XPB1	9-6	1940	12109	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	1950	11514	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	2100	14904	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	2110	14421	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	2120	13484	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	2130	12214	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	2140	11514	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	9-6	2150	10414	Mon	Russian intel.	MFSK-16/32Bd	(PY)
XPB1	1-7	0500	18687	Tue	Russian intel.	MFSK-16	(HFD-RUS)
XPB1	1-7	0510	18287	Tue	Russian intel.	MFSK-16	(HFD-RUS)
XPB1	1-7	0520	16287	Tue	Russian intel.	MFSK-16	(HFD)
XPB1	1-7	0530	15887	Tue	Russian intel.	MFSK-16	(HFD)
XPB1	1-7	0540	14487	Tue	Russian intel.	MFSK-16	(HFD)
XPB1	1-7	0550	13387	Tue	Russian intel.	MFSK-16	(HFD)
XPB1	1-7	1300	20024	Tue	Russian intel.	MFSK-16	(AB)
XPB1	1-7	1310	19224	Tue	Russian intel.	MFSK-16	(AB)
XPB1	1-7	1320	18324	Tue	Russian intel.	MFSK-16	(AB)
XPB1	1-7	1330	17424	Tue	Russian intel.	MFSK-16	(AB)
XPB1	1-7	1340	16324	Tue	Russian intel.	MFSK-16	(AB)
XPB1	1-7	1350	15824	Tue	Russian intel.	MFSK-16	(AB)
XPB1	2-7	1100	13884	Wed	Russian intel.	MFSK-16	(HFD)
XPB1	2-7	1110	13384	Wed	Russian intel.	MFSK-16	(HFD)
XPB1	2-7	1120	12184	Wed	Russian intel.	MFSK-16	(HFD)
XPB1	2-7	1130	11584	Wed	Russian intel.	MFSK-16	(HFD)
XPB1	2-7	1140	11084	Wed	Russian intel.	MFSK-16	(HFD)
XPB1	2-7	1150	10584	Wed	Russian intel.	MFSK-16	(HFD)
XPB1	4-7	1300	20024	Fri	Russian intel.	MFSK-16	(AB)
XPB1	4-7	1310	19224	Fri	Russian intel.	MFSK-16	(AB)
XPB1	4-7	1320	18324	Fri	Russian intel.	MFSK-16	(AB)
XPB1	4-7	1330	17424	Fri	Russian intel.	MFSK-16	(AB)
XPB1	4-7	1340	16324	Fri	Russian intel.	MFSK-16	(AB)
XPB1	4-7	1350	15824	Fri	Russian intel.	MFSK-16	(AB)
XPB1	5-7	1100	13884	Sat	Russian intel.	MFSK-16	(AB)
XPB1	5-7	1110	13384	Sat	Russian intel.	MFSK-16	(AB)
XPB1	5-7	1120	12184	Sat	Russian intel.	MFSK-16	(AB)
XPB1	5-7	1130	11854	Sat	Russian intel.	MFSK-16	(AB)
XPB1	5-7	1140	11084	Sat	Russian intel.	MFSK-16	(AB)
XPB1	5-7	1150	10854	Sat	Russian intel.	MFSK-16	(AB)
XPB1	7-7	0500	18687	Mon	Russian intel.	MFSK-16	(AB-POL)
XPB1	7-7	0510	18287	Mon	Russian intel.	MFSK-16	(AB-POL)
XPB1	7-7	0520	16287	Mon	Russian intel.	MFSK-16	(AB-POL)
XPB1	7-7	0530	15887	Mon	Russian intel.	MFSK-16	(AB)

XPB1	7-7	0540	14487	Mon	Russian intel.	MFSK-16	(AB)
XPB1	7-7	0550	13387	Mon	Russian intel.	MFSK-16	(AB)
XPB1	8-7	0500	18687	Tue	Russian intel.	MFSK-16	(AB-KWT)
XPB1	8-7	0510	18287	Tue	Russian intel.	MFSK-16	(AB-KWT)
XPB1	8-7	0520	16287	Tue	Russian intel.	MFSK-16	(AB-KWT)
XPB1	8-7	0530	15887	Tue	Russian intel.	MFSK-16	(AB)
XPB1	8-7	0540	14487	Tue	Russian intel.	MFSK-16	(AB)
XPB1	8-7	0550	13387	Tue	Russian intel.	MFSK-16	(AB)
XPB1	8-7	1300	20024	Tue	Russian intel.	MFSK-16	(HFD)
XPB1	8-7	1310	19224	Tue	Russian intel.	MFSK-16	(HFD)
XPB1	8-7	1320	18324	Tue	Russian intel.	MFSK-16	(HFD)
XPB1	8-7	1330	17424	Tue	Russian intel.	MFSK-16	(HFD)
XPB1	8-7	1340	16324	Tue	Russian intel.	MFSK-16	(HFD)
XPB1	8-7	1350	15824	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	9-7	1100	13884	Wed	Russian intel.	MFSK-16	(Anon)
XPB1	9-7	1110	13384	Wed	Russian intel.	MFSK-16	(Anon)
XPB1	9-7	1120	12184	Wed	Russian intel.	MFSK-16	(Anon)
XPB1	9-7	1130	11854	Wed	Russian intel.	MFSK-16	(Anon)
XPB1	9-7	1140	11084	Wed	Russian intel.	MFSK-16	(Anon)
XPB1	9-7	1150	10854	Wed	Russian intel.	MFSK-16	(Anon)
XPB1	11-7	1300	20024	Fri	Russian intel.	MFSK-16	(AB)
XPB1	11-7	1310	19224	Fri	Russian intel.	MFSK-16	(AB)
XPB1	11-7	1320	18324	Fri	Russian intel.	MFSK-16	(AB)
XPB1	11-7	1330	17424	Fri	Russian intel.	MFSK-16	(AB)
XPB1	11-7	1340	16324	Fri	Russian intel.	MFSK-16	(AB)
XPB1	11-7	1350	15824	Fri	Russian intel.	MFSK-16	(AB)
XPB1	12-7	1100	13884	Sat	Russian intel.	MFSK-16	(AB)
XPB1	12-7	1110	13384	Sat	Russian intel.	MFSK-16	(AB)
XPB1	12-7	1120	12184	Sat	Russian intel.	MFSK-16	(AB)
XPB1	12-7	1130	11854	Sat	Russian intel.	MFSK-16	(AB)
XPB1	12-7	1140	11084	Sat	Russian intel.	MFSK-16	(AB)
XPB1	12-7	1150	10854	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14-7	0500	18687	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14-7	0510	18287	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14-7	0520	16287	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14-7	0530	15887	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14-7	0540	14487	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14-7	0550	13387	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15-7	0500	18687	Tue	Russian intel.	MFSK-16	(AB-KWT)
XPB1	15-7	0510	18287	Tue	Russian intel.	MFSK-16	(AB-KWT)
XPB1	15-7	0520	16287	Tue	Russian intel.	MFSK-16	(AB-KWT)
XPB1	15-7	0530	15887	Tue	Russian intel.	MFSK-16	(AB)

XPB1	15-7	0540	14487	Tue	Russian intel.	MFSK-16	(AB)
XPB1	15-7	0550	13387	Tue	Russian intel.	MFSK-16	(AB)
XPB1	15-7	1300	20024	Tue	Russian intel.	MFSK-16	(AB)
XPB1	15-7	1310	19224	Tue	Russian intel.	MFSK-16	(AB)
XPB1	15-7	1320	18324	Tue	Russian intel.	MFSK-16	(AB)
XPB1	15-7	1330	17424	Tue	Russian intel.	MFSK-16	(AB)
XPB1	15-7	1340	16324	Tue	Russian intel.	MFSK-16	(AB)
XPB1	15-7	1350	15824	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16-7	1100	13884	Wed	Russian intel.	MFSK-16	(AB)
XPB1	16-7	1110	13384	Wed	Russian intel.	MFSK-16	(AB)
XPB1	16-7	1120	12184	Wed	Russian intel.	MFSK-16	(AB)
XPB1	16-7	1130	11854	Wed	Russian intel.	MFSK-16	(AB)
XPB1	16-7	1140	11084	Wed	Russian intel.	MFSK-16	(AB)
XPB1	16-7	1150	10854	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-7	1300	20024	Fri	Russian intel.	MFSK-16	(AB)
XPB1	18-7	1310	19224	Fri	Russian intel.	MFSK-16	(AB)
XPB1	18-7	1320	18324	Fri	Russian intel.	MFSK-16	(AB)
XPB1	18-7	1330	17424	Fri	Russian intel.	MFSK-16	(AB)
XPB1	18-7	1340	16324	Fri	Russian intel.	MFSK-16	(AB)
XPB1	18-7	1350	15824	Fri	Russian intel.	MFSK-16	(AB)
XPB1	19-7	1100	13884	Sat	Russian intel.	MFSK-16	(AB)
XPB1	19-7	1110	13384	Sat	Russian intel.	MFSK-16	(AB)
XPB1	19-7	1120	12184	Sat	Russian intel.	MFSK-16	(AB)
XPB1	19-7	1130	11854	Sat	Russian intel.	MFSK-16	(AB)
XPB1	19-7	1140	11084	Sat	Russian intel.	MFSK-16	(AB)
XPB1	19-7	1150	10854	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-7	0500	18687	Mon	Russian intel.	MFSK-16	(AB)
XPB1	21-7	0510	18287	Mon	Russian intel.	MFSK-16	(AB)
XPB1	21-7	0520	16287	Mon	Russian intel.	MFSK-16	(AB)
XPB1	21-7	0530	15887	Mon	Russian intel.	MFSK-16	(AB)
XPB1	21-7	0540	14487	Mon	Russian intel.	MFSK-16	(AB)
XPB1	21-7	0550	13387	Mon	Russian intel.	MFSK-16	(AB)
XPB1	22-7	0500	18687	Tue	Russian intel.	MFSK-16	(AB-KWT)
XPB1	22-7	0510	18287	Tue	Russian intel.	MFSK-16	(AB-KWT)
XPB1	22-7	0520	16287	Tue	Russian intel.	MFSK-16	(AB-KWT)
XPB1	22-7	0530	15887	Tue	Russian intel.	MFSK-16	(AB)
XPB1	22-7	0540	14487	Tue	Russian intel.	MFSK-16	(AB)
XPB1	22-7	0550	13387	Tue	Russian intel.	MFSK-16	(AB)
XPB1	22-7	1300	20024	Tue	Russian intel.	MFSK-16	(AB)
XPB1	22-7	1310	19224	Tue	Russian intel.	MFSK-16	(AB)
XPB1	22-7	1320	18324	Tue	Russian intel.	MFSK-16	(AB)
XPB1	22-7	1330	17424	Tue	Russian intel.	MFSK-16	(AB)

XPB1	22-7	1340	16324	Tue	Russian intel.	MFSK-16	(AB)
XPB1	22-7	1350	15824	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-7	1300	20024	Fri	Russian intel.	MFSK-16	(AB)
XPB1	25-7	1310	19224	Fri	Russian intel.	MFSK-16	(AB)
XPB1	25-7	1320	18324	Fri	Russian intel.	MFSK-16	(AB)
XPB1	25-7	1330	17424	Fri	Russian intel.	MFSK-16	(AB)
XPB1	25-7	1340	16324	Fri	Russian intel.	MFSK-16	(AB)
XPB1	25-7	1350	15824	Fri	Russian intel.	MFSK-16	(AB)
XPB1	28-7	0500	18687	Mon	Russian intel.	MFSK-16	(AB)
XPB1	28-7	0510	18287	Mon	Russian intel.	MFSK-16	(AB)
XPB1	28-7	0520	16287	Mon	Russian intel.	MFSK-16	(AB)
XPB1	28-7	0530	15887	Mon	Russian intel.	MFSK-16	(AB)
XPB1	28-7	0540	14487	Mon	Russian intel.	MFSK-16	(AB)
XPB1	28-7	0550	13387	Mon	Russian intel.	MFSK-16	(AB)
XPB1	29-7	0500	18687	Tue	Russian intel.	MFSK-16	(AB-KWT)
XPB1	29-7	0510	18287	Tue	Russian intel.	MFSK-16	(AB-KWT)
XPB1	29-7	0520	16287	Tue	Russian intel.	MFSK-16	(AB-KWT)
XPB1	29-7	0530	15887	Tue	Russian intel.	MFSK-16	(AB)
XPB1	29-7	0540	14487	Tue	Russian intel.	MFSK-16	(AB)
XPB1	29-7	0550	13387	Tue	Russian intel.	MFSK-16	(AB)
XPB1	29-7	1300	20024	Tue	Russian intel.	MFSK-16	(AB)
XPB1	29-7	1310	19224	Tue	Russian intel.	MFSK-16	(AB)
XPB1	29-7	1320	18324	Tue	Russian intel.	MFSK-16	(AB)
XPB1	29-7	1330	17424	Tue	Russian intel.	MFSK-16	(AB)
XPB1	29-7	1340	16324	Tue	Russian intel.	MFSK-16	(AB)
XPB1	29-7	1350	15824	Tue	Russian intel.	MFSK-16	(AB)

CONTRIBUTORS

AB	Ary Boender, Netherlands
AB-ARS	Ary Boender via remote rx Saudi Arabia
AB-GRC	Ary Boender via remote rx Greece
AB-HNG	Ary Boender via remote rx Hungary
AB-IRL	Ary Boender via remote rx in Ireland
AB-IRQ	Ary Boender via remote rx Iraq
AB-J	Ary Boender via remote rx Japan
AB-KOR	Ary Boender via remote rx South Korea
AB-KWT	Ary Boender via remote rx Kuwait
AB-POL	Ary Boender via remote rx Poland
AB-QAT	Ary Boender via remote rx Qatar
AB-RUS	Ary Boender via remote rx Russia
AB-S	Ary Boender via remote rx Sweden
Anon	Anonymous
AVX	AlphaVax, Germany
Dan	Daniel LU5EMM, Argentina
FD	Full Day Waterfall, University Twente SDR
Fspy	Feline Spy SWL
HFD	Hans-Friedrich Dumrese, Germany
HFD-J	Hans-Friedrich Dumrese via remote rx Japan
HFD-RUS	Hans-Friedrich Dumrese via remote rx Russia
Hutch	Hutch, London, UK
JPL	JPL, NB, Canada (and various remote rx)
KX0DW	Dave Wright
Lac	Lazycrypt
Moon	Moonlight (Dave AU)
Pille	Pille
PY	Pierre Ynard, France and via remote rx
RO	Rando One, Sweden
Subilo	Subilo
T101	RadiotekhnikaT101 via Priyom
TJ	Trond Jacobsen, Norway
TM	Time Machine

APPENDIX

List of active stations

Prefixes

E	English language	Q	4+4 QPSK mode
F	FSK (Frequency Shift Keying) modes	S	Slavic languages
G	German language	SK	Various modes used by Cuba, incl. (B)PSK, WinDRM
HM	Hybrid modes	UM(C)	Unid Morse station (Chinese)
M(C)	Morse code (Chinese)	V	Voice broadcasts in other languages
P	PSK modes. QPSK (Quadrature Phase Shift Keying) and BPSK (Binary Phase-Shift keying) modes	VC	Voice Chinese
		XP	MFSK (polytone) modes

Notes :

There is no solid proof that the mentioned operators are correct.

Russian G06, V06 and other variants are not in the list but are occasionally used for exercises

Code	Description	Country	Counterpart	Operator
E06	3-fig id, OM/EE 00000	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E06a	3-fig id, 2 group commencing with 11111	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E06b	3-fig id with 5FG group in call, 2 msgs	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E07	3-fig id, OM/EE 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
E07a	Null msg format. Nnn nnn nnn 000 repeated 20 mins later	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
E11	nnn Oblique 00 Out	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
E11a	E11 with message	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
E25	Arabic music, 3FGs call, 4FGs, 9450 kHz	EGY	E25, E25a, E25b	GID
E25a	E25 but 3FG 3FG 2FG 2FG 2FG 2FG call	EGY	E25, E25a, E25b	GID
E25b	Arab message; callup in English	EGY	E25, E25a, E25b	GID
F01	FSK/ITA2 200Bd/500Hz	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F02	MFSK-4 150Bd/4000Hz (12kHz BW)	RUS		Unid Russian net.
F03i	FSK-2 100Bd/800Hz/cf +1200Hz/488-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03j	FSK-4 100Bd/400Hz/cf +1200Hz/448-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03l	FSK-2 100Bd/200Hz/cf +700Hz/448-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F06	FSK 200Bd/1000Hz ACF=288 sending compressed digits	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F06a	FSK 200Bd/1000Hz ACF=288 sending uncompressed ASCII files	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F07	5x16-tone MFSK, 10Bd, 20Hz + BPSK, 250Bd bursts	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
HM01	Consists of alternating WinDRM data & V02a repeating sequences.	CUB		DGI
M01	2 tone hand-keyed, ends '000'	RUS		Russian Navy
M01a	End of the month transmission	RUS		Russian Navy
M12	5FG, 3 or 4FG DK. Ends with 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
M12a	3FG DK. 2 Messages. Ends with 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
M14	Ends 00000 or 5 long dashes	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14a	Dual msg variant	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14b	Rare, added 2nd msg hand keyed	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14c	Rare, dual msg, consecutive id's	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14d	3FG id with 5FG group in call	RUS	E06, S06, M14, F01, F06, F06a	
M21	14 fig msgs. Markers and tracking data	RUS	M21, M41	Russian Air Defense
M22	4XZ	ISR		Israeli Navy
M23	Letters and/or figures strings in various formats	F		
M41	M21 variant using callsigns and WZD and ABV	RUS	M21, M41	Russian Air Defense
M42	Various modes	RUS		Russian Gov/Intel.
M42b	FSK 50/500 (=50= separator)	RUS		Russian Gov/Intel.
M51a	FAV22 transmissions	F		French army
M51b	Non-stop 5-character groups	F		French army
M76	ABCD de EFGH QTC xx xx = 5FG 3607X RRRRR 201XX NNN			

M89	Markers like V YHXD YHXD YHXD DE SAQC SAQC and 4FG messages. Cut numbers	CHN		Chinese military
M89v	M89 voice transmissions	CHN		Chinese military
M95	Markers and 4FG messages. Cut numbers. Morse counterpart of V26 and Q26	CHN	M95, Q26, V26	Chinese military
MC03	Tracking data. Various formats	CHN	VC01	Chinese Air Defense
MVC03	Morse counterpart of VC03	CHN	VC03	Chinese Air Defense
MX	Single letter beacons/markers	RUS		Russian military
P03e	QPSK 100Bd/488-bit period	POL	E11, E11a, S11a, F03, P03	
P03f	QPSK 200Bd/496-bit period	POL	E11, E11a, S11a, F03, P03	
P03g	BPSK 50Bd/464-bit period	POL	E11, E11a, S11a, F03, P03	
P03h	BPSK 100Bd/512-bit period	POL	E11, E11a, S11a, F03, P03	
P03i	BPSK 100Bd/512-bit period	POL	E11, E11a, S11a, F03, P03	
P03j	QPSK 100Bd/504-bit period	POL	E11, E11a, S11a, F03, P03	
P03k	BPSK 100Bd/480-bit period	POL	E11, E11a, S11a, F03, P03	
P03l	QPSK 100Bd/464-bit period	POL	E11, E11a, S11a, F03, P03	
P07	Russian intel. 8-tone OFDM, QSPK, 62.5Bd, 125Hz + BPSK, 250Bd bursts	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
Q26	Digital counterpart of V26 and M95. Mode: 4+4 QPSK 75/3000 LSB	CHN	M95, Q26, V26	Chinese military
S06	3-fig id, 00000 OM/RR	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06b	3-fig id, two group (commencing with 11111, stutter)	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06c	Repeating single group	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06e	3-fig id, two messages	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06f	3 group msg, ends 00000	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06s	YL + slow zero's ending	UKR	E06, S06, M14, F01, F06, F06a	SZRU
S11a	nnn Cherta 00 or group count + message. Konets	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
S28	Buzzer	RUS		Russian military
S30	Pip	RUS		Russian military
S32	Squeaky Wheel	RUS		Russian military
UM03	X2M (probably Chinese). Mode: CW			
UM04	PROMRCh. Daily transmissions. Format: VVVVV PROM-RCh = 27 09 = 1000 0600 0640 0780 1160 ... ABV repeat message = AR. Origin: Bulgaria	BUL		Bulgarian military
UM05	French morse training station	F		
UM06	Various formats morse strings	F		
UM10	10-minutes net. Callsigns sent for 10 minutes 2x per hour on 2 parallel frequencies. Seldom messages are sent.			
V07	Spanish Man 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
V07F	French version of E07	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
V13	New Star Broadcasting	TWN	V13, V13a, V13b	Military Intelligence
V13a	New Star Broadcasting (AM, 5-7 msgs to 5-7 units)	TWN	V13, V13a, V13b	Military Intelligence
V13b	New Star Broadcasting (AM/USB hybrid, intro 2x, 4 msgs to 4 units)	TWN	V13, V13a, V13b	Military Intelligence
V26	Voice counterpart of M95 and Q26	CHN	M95, Q26, V26	Chinese military
VC01	Chinese Robot (tracking data)	CHN	MC03	Chinese Air Defense
VC02	Chinese voice morse stations	CHN		Chinese Air Defense
VC03	3FG callup and 4FG messages			
VC05	Chinese time stamp station. Operator calling a 4-figure callsign for four minutes. At the end the actual Beijing time is mentioned.	CHN		
VR01	Russian station passing coded messages. Active sinds at least March 2014. Seldom heard	RUS		
X06	MFA Moscow. Selcal system for diplomatic missions	RUS		Various
XPA1	MFSK-20/10Bd transmissions	RUS		Russian intelligence
XPA2	MFSK-16/20Bd transmissions	RUS		Russian intelligence
XPB1	MFSK-16 transmissions	RUS		Russian intel
XSL	QPSK 1500Bd. Slot Machine (Japanese Navy Telemetry)	J		Japanese navy

Morse characters

A	. -	1	. - - - -	Full stop (period)	[.]	. - . - . -
B	- . . .	2	. . - - -	Comma	[,]	- - . . - -
C	- . - .	3	. . . - -	Colon	[:]	- - - . . .
D	- . .	4	 -	Question mark	[?]	. . - - . .
E	.	5		Exclamation mark	[!]	- . - . - -
F	. . - .	6	-	Apostrophe	[']	. - - - . .
G	- - .	7	- - . . .	Dash or Hyphen	[-]	- -
H		8	- - - . .	Slash	[/]	- . . - .
I	. .	9	- - - - .	Left-hand bracket	[(]	- . - - .
J	. - - -	0	- - - - -	Right-hand bracket	[)]	- . - - . -
K	- . -			Quotation marks	[" "]	. - . . - .
L	. - . .			Equals sign	[BT =]	- . . . -
M	- -	Accented letters		Understood		. . . - .
N	- .			Plus sign	[+]	. - . - .
O	- - -			Invitation to transmit		- . -
P	. - . .			Wait	[AS]	. - . . .
Q	- - . -			End of Transmission	[SK, VA]	. . . - . -
R	. - .	Ü	. . - -	End of message	[AR]	. - . - .
S	. . .			Starting signal		- . . - .
T	-			Multiplication sign	[×]	- . . -
U	. . -			At sign	[@]	. - - . - .
V	. . . -			Break	[BK]	- . . . - .
W	. - -			Ampersand	[&]	. - . . .
X	- . . .					
Y	- . - -					
Z	- - . .					

For Cyrillic morse etc., see also

<http://udxf.nl/Morse-document.pdf>

<http://udxf.nl/Russian.pdf>

Chinese cut numbers
(M89, M95, MC03, etc)

A	U	3	4	5	6	7	D	N	T
1	2	3	4	5	6	7	8	9	0

M08a cut numbers

A	N	D	U	W	R	I	G	M	T
1	2	3	4	5	6	7	8	9	0

Q26 conversion

F	J	B	P	G	U	Y	M	C	W
0	1	2	3	4	5	6	7	8	9

3rd shift Cyrillic RTTY as used by M42b

Q	W	E	R	T	Y	U	I	O	P	(	K	V	Z
1	2	3	4	5	6	7	8	9	0	K	=	-	+

Word	E11a	S11a	M03
Attention	Attention	Vnimanye	
Slash /	Oblique	Cirta	- . . - .
Out	Out	Konets	

Figure	English	French	German	Mandarin	Spanish	Russian	Arabic
0	Zero	Zero	Null	Ling	Cero	Null	Sifr
1	One	Un	Eins	Yi	Uno	Odín	Wahid
2	Two	Deux	Zwei	Er	Dos	Dva	Itnien
3	Three	Trois	Drei	San	Tres	Tri	Talata
4	Four	Quatre	Vier	Si	Cuatro	Chety're	Arba`a
5	Five	Cinq	Fünf	Wu	Cinco	Pyat'	Xamsa
6	Six	Six	Sechs	Liu	Seis	Shest'	Sitta
7	Seven	Sept	Sieben	Qi	Siete	Sem'	Sab`a
8	Eight	Huit	Acht	Ba	Ocho	Vósem'	Tamanya
9	Nine	Neuf	Neun	Jiu	Nueve	Dévyat'	Tiss`a

Figure	Morse	Vietnamese	E17z	S11a	G06	E11
0	— — — — —	Số không	Zero	nul	Null	Zero
1	. — — — —	Một	Van	adinka	Eins	One
2	. . — — —	Hai	To	dvoyka	Twso	Two
3	. . . — —	Ba	Fwee	troyka	Drei	Three
4	 —	Bồ'n	Fo	chetvyorka	Vier	Four
5		Năm	Fav	petyorka	Funuf	Fiver
6	—	Sáu	Six	shest	Sechs	Six
7	— — . . .	Ba y	Seven	syem	Sieben	Seven
8	— — — . .	Tám	Eight	vosyem	Acht	Eight
9	— — — — .	Chín	Nine	dyevyet	Neugen	Niner
=	—					
/	—					

Note: E17z, M03 and M08a are defunct.

COLOPHON

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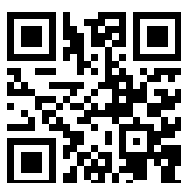
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676 27364 92636 89426 61288 74982 36498 32764 81276 81
 486 48932 70987 32123 49817 26346 81287 65491 87364 81
 721 75654 55656 12737 72727 72727 91918 63473 67867 72
 723 87629 37677 32612 53498 71296 28756 18276 98716 87
 7269 76329 74698 76857 98678 27681 56781 57681 73648 1
 591 87364 87265 96718 27638 12673 84769 28743 98127 5
 8 63298 75698 27465 87326 49876 28376 81273 98615 6
 67 87432 74328 78674 29867 32867 67867 86786 43266 48
 57 68768 68763 34234 34238 68768 62342 48273 48768 28
 36 98432 32432 86743 43286 43286 43286 43286 43286 43
 743 86743 86743 39867 32867 86743 43286 43286 43243 86
 741 86743 86743 86743 86743 86743 86743 86743 86743 48
 343 98798 98754 98754 98754 98754 29867 67543 67986 86
 76 87698 69876 87698 69876 87612 12341 34867 86798 652
 867 83298 65656 56756 56123 32143 14321 32143 14321 321
 82767 58765 76587 58765 76587 58765 76587 58756 765
 43286 43286 43286 43286 43286 43286 43286 43286 43286

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